



IPC/C 278/94 Rev.6
ORIGINAL: English/French
DATE: November 13, 2000

WORLD INTELLECTUAL PROPERTY ORGANIZATION
ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
GENEVA/GENÈVE

COMMITTEE OF EXPERTS OF THE IPC UNION
COMITÉ D'EXPERTS DE L'UNION DE L'IPC

IPC REVISION PROJECT FILE/DOSSIER DE PROJET DE RÉVISION DE LA CIB

PROPOSAL BY: PROPOSITION DE :	EP	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :	B 32 B
KIND OF REVISION: TYPE DE RÉVISION :	Transfer of subject matter Transfert de matière		

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 278/94	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal / Demande de révision avec proposition détaillée		EP	24.02.94
2	Comments (re Annex 1) / Observations (réf. annexe 1)		GB	18.07.94
3	Comments (re Annex 1) / Observations (réf. annexe 1)		DE	06.10.94
4	Comments (re Annex 1) / Observations (réf. annexe 1)		JP	31.10.94
5	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	RO	-02.95
6	Comments (re Annexes 2-5) / Observations (réf. annexes 2-5)	Rev.1	EP	11.05.95
7	Rapporteur report / Rapport du rapporteur	Rev.1	EP	11.05.95
8	Comments (re Annex 7) / Observations (réf. annexe 7)	Rev.2	JP	01.06.95
9	Rapporteur report / Rapport du rapporteur	Rev.3	EP	02.99
10	Comments / Observations	Rev.3	DE	05.99
11	Decision of the Working Group / Décision du groupe de travail	Rev.4	WG	07.99
12	Proposal / Proposition	Rev.4	EP	07.99
13	Comments / Observations	Rev.4	RU	10.99

RAPPORTEUR : EP

TECHNICAL FIELD/DOMAINE TECHNIQUE : M

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 278/94	ORIGIN/ ORIGINE	DATE
14	Comments / Observations	Rev.4	CA	10.99
15	Comments / Observations	Rev.4	RO	10.99
16	Comments / Observations	Rev.4	GB	10.99
17	Rapporteur report / Rapport du rapporteur	Rev.4	EP	11.99
18	Comments / Observations	Rev.5	JP	12.99
19	Decision of the Working Group / Décision du groupe de travail	Rev.5	WG	12.99
20	Comments / Observations	Rev.5	EP	03.00
21	Comments / Observations	Rev.5	JP	03.00
22	Comments / Observations	Rev.5	CA	03.00
23	Comments / Observations	Rev.5	SE	03.00
24	Comments / Observations	Rev.5	RO	03.00
25	Comments / Observations	Rev.5	DE	04.00
26	Rapporteur report / Rapport du rapporteur	Rev.5	EP	04.00
27	Decision of the Working Group / Décision du groupe de travail	Rev.6	WG	06.00
28	Proposal / Proposition	Rev.6	EP	07.00
29	Comments / Observations	Rev.6	JP	09.00
30	Comments / Observations	Rev.6	GB	09.00
31	Comments / Observations	Rev.6	RO	09.00
32	Comments / Observations	Rev.6	FR	10.00
33	Rapporteur report / Rapport du rapporteur	Rev.6	EP	10.00
34	Comments / Observations	Rev.6	DE	10.00
35	Comments / Observations	Rev.6	CA	10.00
36	French version of approved amendments / Version française des modifications approuvées	Rev.6	EP	11.00

EXCERPT FROM DOCUMENT IPC/WG/3/3/
EXTRAIT DU DOCUMENT IPC/WG/3/3

Project C 278 (mechanical) – A part of the Rapporteur’s proposal was approved (see Annex I, relating to subclass B 32 B, to this report, unless otherwise indicated).

Comments were invited on:

- whether a residual main group covering layered products not characterized by their structure or composition should be created after main group 29/00, or whether those layered products should be classified according to methods of making thereof as proposed in Note (1) following the Guide heading “Methods or apparatus for making layered products” (see Annex 26 to the project file). If the latter solution was considered preferable, whether the said note should be transferred to a set of notes following the subclass title;
- whether the wording of the proposed group 37/16 (see the said Annex 26) reflected its intended scope;
- how the term “self-supporting” in groups 37/16 and 37/24 could be clarified or replaced by another term, bearing in mind that this term did not correctly define the scope of the said groups relating to independent layers preexisting before laminating;
- the intended scope of the proposed group 37/58 (see the said Annex 26) and how its wording could be modified to clearly define its scope;
- how the term “sandwich panels” in group 37/32 could be defined and whether its definition should be included in the Note before main group 37/00.

The EPO was invited to submit a revised proposal relating to the remainder of the Rapporteur’s proposal (see Annex 26 to the project file), covering the proposed groups 37/90 to 39/12, and to propose detailed transfer notes for deleted groups.

Comments were invited on the proposal to be submitted.

Projet C 278 (mécanique) – Une partie de la proposition du rapporteur a été approuvée (sauf indication contraire, voir l’annexe 1 du présent rapport, relative à la sous-classe B 32 B).

Des observations ont été demandées :

- sur le point de savoir si un groupe principal résiduel couvrant les produits stratifiés qui ne sont pas caractérisés par leur structure ou leur composition doit être créé après le groupe principal 29/00, ou si ces produits stratifiés doivent être classés en fonction de leur méthode de fabrication comme il est proposé à la note 1 suivant la rubrique-guide “Procédés ou appareils pour la fabrication des produits stratifiés” (voir l’annexe 26 du dossier de projet); et, si la seconde solution est jugée préférable, si la note en question doit être transférée dans une série de notes suivant le titre de la sous-classe;

- sur le point de savoir si le libellé du groupe 37/16 proposé (voir l’annexe 26) traduit la portée envisagée;
- sur le point de savoir si l’expression “self-supporting” figurant dans les groupes 37/16 et 37/24 doit être précisée ou remplacée par une autre, en gardant à l’esprit que cette expression ne définit pas correctement la portée desdits groupes en ce qui concerne les différentes couches préexistantes avant laminage;
- sur la portée envisagée pour le groupe 37/58 proposé (voir l’annexe 26) et sur les modifications à apporter à son libellé pour définir plus précisément cette portée;
- sur le point de savoir s’il convient de définir les termes “sandwich panels” dans le groupe 37/32 et si cette définition doit être incluse dans la note qui précède le groupe principal 37/00.

L’OEB a été invité à présenter une proposition révisée portant sur le reste de la proposition du rapporteur (voir l’annexe 26 du dossier de projet), couvrant les groupes 37/90 à 39/12 proposés, et à proposer des notes de transfert détaillées pour les groupes supprimés.

Des observations ont été demandées sur la proposition devant être présentée.

ANNEX	1	B 32 B	[Project-Rapporteur : 278/EP]	<SC03002E>
	Note(s) after the title			
			– <== <u>does not cover</u> :	
			– – – apparatus is solely applicable to and fully classifiable – – –	
			– compositions or preparation ==>	
			– <== In this subclass:	
			– – – of a product.	
		<Delete former note>		
		(4) In this subclass, ==>		
		(5) In groups 1/00 to 33/00, at each – – –		
N	Guide Heading before 37/00	<u>Methods or apparatus for making layered products; Treatment of the layers or of the layered products</u>		

N Note(s)
before 37/00

In groups 37/00 and 39/00, the following expressions are used with the meanings indicated:

- *"laminating" means the action of combining previously unconnected layers to become one product whose layers will remain together.*
- *"partial laminating" occurs when one layer does not fully cover a surface of another layer, whereby the layer with the greater surface area is laminated on only part of its surface.*
- *"adhesive" means a layer, or part of a layer, applied in any state or in any manner, which is incorporated for the purpose of bonding.*

N	37/00	Methods or apparatus for laminating, e.g. by curing or by ultrasonic bonding
N	37/02	<ul style="list-style-type: none">• <i>in several steps, e.g. laminating by adding new layers at consecutive laminating stations</i>
N	37/04	<ul style="list-style-type: none">• <i>characterised by the partial melting of at least one layer</i>
N	37/06	<ul style="list-style-type: none">• <i>characterised by the heating method</i>
N	37/08	<ul style="list-style-type: none">• <i>characterised by the cooling method</i>
N	37/12	<ul style="list-style-type: none">• <i>characterised by using adhesives</i>
N	37/14	<ul style="list-style-type: none">• <i>characterised by the properties of the layers</i>
N	37/16	<ul style="list-style-type: none">• • <i>with all layers being self-supporting</i>
N	37/18	<ul style="list-style-type: none">• • • <i>involving the assembly of discrete sheets or panels only</i>
N	37/20	<ul style="list-style-type: none">• • • <i>involving the assembly of continuous webs only</i>
N	37/22	<ul style="list-style-type: none">• • • <i>involving the assembly of both discrete and continuous layers</i>
N	37/24	<ul style="list-style-type: none">• • <i>with at least one layer not being self-supporting, e.g. made up from granular material sprinkled onto a substrate</i>
N	37/26	<ul style="list-style-type: none">• • <i>with at least one layer which influences the bonding during the laminating process, e.g. release layers or pressure equalising layers</i>
N	37/28	<ul style="list-style-type: none">• <i>involving assembly of non-flat intermediate products which are flattened at a later step, e.g. tubes</i>
N	37/30	<ul style="list-style-type: none">• <i>Partial laminating</i>
N	37/32	<ul style="list-style-type: none">• <i>Manufacturing of sandwich panels, e.g. with honeycomb layers</i>

Project: C-278 Subclass: B32B

Hereunder you will find our revised proposal covering the groups 37/90 to 39/12 of annex 26:

N 38/00 Other operations in connection with laminating.**N Note**

In this group no differentiation is made between operations carried out before, during or after lamination.

- N 38/02 . Shaping the layers to be laminated, e.g. by extrusion
- N 38/04 . Punching, slitting or perforating
- N 38/06 . Embossing
- N 38/08 . Impregnating
- N 38/10 . Removing all or part of the layers mechanically or chemically
- N 38/12 . Deep-drawing
- N 38/14 . Printing or colouring
- N 38/16 . Preparation or pre-treatment of the layers, e.g. cleaning
- N 38/18 . Handling of layers or the laminate in connection with laminating (handling thin material in general B65H)

N 39/00 Equipment

- N 39/02 . Automation of lamination processes, e.g. computer or microprocessor control system; Monitoring of lamination processes, e.g. for wear
- N 39/04 . Layout of apparatus or plants, e.g. modular laminating systems, machine and plant layout

N 39/06 . Safety arrangements

We propose as well the following transfer scheme:

- D 1/10 (transferred to 37/00-37/58; 37/68; 37/66)
- D 31/00 (transferred to 37/00-37/68; 38/00-38/18)
- D 31/02 (transferred to 37/60)
- D 31/04-31/08 (transferred to 37/00-37/68)
- D 31/10 (transferred to 37/36)
- D 31/12 (transferred to 38/00-38/18)
- D 31/14-31/30 (transferred to 37/00-38/18)
- D 35/00 (transferred to 38/00-39/06)

A. Narminio

Japanese Patent Office

21 September 2000

Project:C-278

Subclass:B32B

- (1) We think that the layered products characterized by their making methods, not by their structure or composition, should be classified in B32B 37/--, 39/-- as before. [Note (1) should remain the same.]
- (2) We do not agree to create a main group after 29/00, other than B32B 37/00 and 39/00, for covering “layered products not characterized by their structure or composition”.

We cannot imagine such layered product “not characterized by their structure or composition”, if they are not those “characterized by their making methods”. (That is, “layered products not characterized by their structure or composition” should naturally be “the layered products characterized by their making methods”).

 UK Patent Office

Date: 21 September 2000

 Comments on Project C278, Subclass B32B

B whether a residual main group covering layered products not characterized by their structure or composition should be created after main group 29/00, or whether those layered products should be classified according to methods of making thereof.

We are not sure whether there is strict subject-matter justification for such a residual group but perhaps it ought to be there in view of the first place rule used.

B whether the wording of the proposed group 37/16 (see the said Annex 26) reflected its intended scope;

Our expert interprets it as a layer which does not disintegrate if not held together externally. We think, however, that further definition would be necessary for the non-expert user.

B how the term Aself-supporting@ in groups 37/16 and 37/24 could be clarified or replaced by another term, bearing in mind that this term did not correctly define the scope of the said groups relating to independent layers preexisting before laminating;

Our expert suggests Acoherent@ as an alternative.

B the intended scope of the proposed group 37/58 (see the said Annex 26) and how its wording could be modified to clearly define its scope;

Remarkablke is strange and unclear but we have not been able to come up with a viable alternative wording and keep the sense of the wording of the subgroup. Words such as Aspecial@ come to mind but the problem is that whether such features are Aspecial@ can change with time and opinion.

B how the term Asandwich panels@ in group 37/32 could be defined and whether its definition should be included in the Note before main group 37/00.

Sandwich panels are a well-known term of art and can be defined as Aa central layer between a pair of layers which are identical and which differ from the central layer@. This definition is taken from the RM25 indexing scheme for laminates used by some offices.

Jim Calvert
U.K. Patent Office

OFICIUL DE STAT PENTRU
INVENTII SI MARCI

RO. COMMENTS

Date: 20.09.2000
Page: 1 of 2

Project: **C278**

Class/Subclass **B 32 B**

Comments were invited on:

- creating a residual group or classifying layered products according to methods of making thereof.

We are in favour of classifying said layered products according to methods or apparatus for making them. In this case, we would prefer the Note (1) of Annex 26 to be transferred to the set of notes following the subclass title. The final wording of the note should be adopted after the adoption of EPO=s proposal according to Annex 28. According to the existent wording layered products could be classified also according to 39/00 (Annex 28), that means according to *Equipment@*, and we are not in favour of such a classification.

-wording of the proposed group 37/16 (Annex 26)

We are not in favour of this wording and we would suggest:

N 37/16 . characterised by the pressing technique (method), e.g.---

*- the term *self-supporting@* in groups 37/16 and 37/24 (Annex 27).*

Since the term *self-supporting@* is not very clearly defined we would prefer replacing it. A solution could be:

N 37/16 . . with all layers preexisting before laminating as independent layers

N 37/24 . . with at least one layer not preexisting before laminating as (independent) layer, e.g.---

- wording of the proposed group 37/58 (Annex 26).

The wording of this group was in a former proposal for methods (or apparatus) using layers with different mechanical or chemical properties. We think that this was in fact the scope of the group and not the present wording relating to remarkable properties. Consequently, we would suggest:

N 37/52 .. with at least two layers having different physical or chemical properties, e.g.---

- *the term Δsandwich panel@.*

We are not in favour of maintaining the term Δsandwich panel@, for instance because of the overlap with E04C 2/36. The panel is already an article. We would prefer some other wordings, as:

- . Manufacturing of layered products of sandwich type, or
- . Manufacturing of sandwich structures.

According to the Official Catchword Index, sandwiches are in fact layered products. As far as we know, the simple sandwich structure consists of a honeycomb layer placed between two other layers. A sandwich structure implies the existence of at least one honeycomb layer. Otherwise, it may be simply called a layered product. We consider a definition of the term sandwich absolutely necessary and it could be included in the Note before main group 37/00.

- *comments on the proposal according to Annex 28.*

We are in favour of adopting group 38/00 as proposed by the EPO. We would suggest the changing of the title into ΔOperations in connection with laminating@, because there are no other operations mentioned in the classes before.

As regards the group N 39/00 and its subgroups we consider there will be overlapping with other classes and we are not in favour of adopting it. Anyway, in the present wording, we consider there is an inconsistency of the used term @equipment@, which is not mentioned in the title of the subclass.

Projet IPC / C 278
Sous-classe B32B

Au WG/3/3 des observations ont été demandées

- sur le point de savoir si un groupe principal résiduel pour les stratifiés non caractérisés par leur structure doit être créé après le 29/00 ou s'ils doivent être classés selon le procédé de fabrication

et sur la place de la note(1) de l'annexe 26

Les produits stratifiés qui ne sont pas caractérisés par leur structure peuvent se classer au procédé de fabrication

La note (1) après la rubrique guide "procédés ou appareils pour la fabrication des produits stratifiés"

Devrait plutôt se trouver après le titre de la sous classe

- sur le libellé du groupe 37/16 proposé dans l'Annexe 26

l'utilisation d'une pression mécanique n'entre pas dans ce groupe

peut être faudrait il simplement dire: caractérisé par l'utilisation du vide ou de la pression d'un fluide

37/16 . characterised by the use of vacuum or fluid pressure

- sur l'expression "self supporting" employée dans les groupes 37/16 et 37/24

cette expression a une signification dans d'autres endroits de la CIB différente de celle qu'elle a dans ces entrées. Nous n'avons pas d'alternative complètement satisfaisante mais nous suggérons plutôt d'utiliser des termes comme "cohesive" ou "pre-existing"

37/16 . . with all layers being cohesive and pre-existing before laminating

37/24 . . with at least one layer not being cohesive and pre-existing before laminating,
 e. g. made up ...

- sur la portée du groupe 37/58 proposé annexe 26 et son libellé

ce libellé nous paraît trop proche de celui du 37/14 approuvé au WG 3/3

37/58 . . characterised by layers having different mechanical or chemical properties,
 e. g.

- sur le terme "sandwich panel" du groupe 37/32 approuvé au WG 3/3

nous pensons qu'il est nécessaire de définir le terme "sandwich panel" comme un stratifié constitué d'au moins 3 couches dont une couche intermédiaire est constituée de matériau alvéolé

Project: C-278 Subclass: B32B

Comments received

RO favours the solution proposed in annex 26 but would prefer to have Note (1) after the subclass title. Several wording improvements are proposed:

- 37/16 (A.26) . characterised by the pressing technique, e.g. ...
- 37/58 (A.26) .. with at least two layers having different physical or chemical ...
- 37/32 (A.27) . Manufacturing of sandwich structures, ...

RO feels the need to include a definition of "sandwich structures" in a note before main group 37/00. For 38/00 (A.28) "Operations in connection with laminating" is suggested. Due to the risk of overlap with other classes, **RO** is against creation of group 39/00 (A.28).

JP agrees with the creation of groups 37/00 and 39/00 (A.26) and sees any justification for a residual main group covering layered products not characterised by their structure, composition or making method. Note (1) should remain unchanged.

GB points out that the use of the first place rule in B32B may justify a residual main group for layered products not characterised by their structure or composition.

GB proposes an alternative wording for 37/16 and 37/24 (A.27): coherent layers.
Title for subgroup 37/58 (A.26) looks strange and unclear, but **GB** sees no problem with the title of 37/32 (A.27), "sandwich panels" being a well known term of the art.

Rapporteur's opinion

In fact there is already a residual main group in B32B, which is:

33/00 Layered products characterised by particular properties single class.

Having decided to delete 31/00 and 35/00 and restrict the application of the first place rule to groups 1/00-33/00, the scheme looks coherent.

For Note (1) (A.26) rapporteur suggests following **RO**'s proposal. Having Note (1) under subclass title seems more consistent as the note may influence the content of several groups within B32B.

We still believe that creation of 39/00 (A.28) is justified. Please refer to examples:

- for B32B39/02: WO9521059 and DE19632795
- for B32B39/04: GB2273262
- for B32B39/06: US5882470

Consolidated proposal

- N 37/10 . characterised by the pressing technique, e.g. vacuum, fluid pressure (pressing devices per se B30B)
- C 37/16 .. with all layers being coherent
- C 37/24 .. with at least one layer not being coherent, e.g. made up from granular material sprinkled onto a substrate
- N 37/27 .. with at least two layers having different physical or chemical properties, e.g. layers with different thermal shrinkage, porous layers, layers under tension during bonding (products, see 7/00)
- C 37/32 . Manufacturing of sandwich structures, e.g with honeycomb layers
- N **38/00** **Operations in connection with laminating.**
- N **Note**
In this group no differentiation is made between operations carried out before, during or after lamination.
- N 38/02 . Shaping the layers to be laminated, e.g. by extrusion
- N 38/04 . Punching, slitting or perforating
- N 38/06 . Embossing
- N 38/08 . Impregnating
- N 38/10 . Removing all or part of the layers mechanically or chemically
- N 38/12 . Deep-drawing
- N 38/14 . Printing or colouring
- N 38/16 . Preparation or pre-treatment of the layers, e.g. cleaning
- N 38/18 . Handling of layers or the laminate in connection with laminating (handling thin material in general B65H)
- N **39/00** **Apparatus for making layered products**
- N 39/02 . Devices for monitoring the lamination process, e.g. computer or microprocessor control system
- N 39/04 . Layout of apparatus or plants, e.g. modular laminating systems, machine and plant layout

N 39/06 . Safety arrangements

Note to put in the set of notes after subclass title:

(5a) Layered products are classified in groups 37/00 or 38/00 if not characterised by their structure or composition.

We propose as well the following transfer scheme:

- D 1/10 (transferred to 37/00-37/58; 37/68; 37/66)
- D 31/00 (transferred to 37/00-37/68; 38/00-38/18)
- D 31/02 (transferred to 37/60)
- D 31/04-31/08 (transferred to 37/00-37/68)
- D 31/10 (transferred to 37/36)
- D 31/12 (transferred to 38/00-38/18)
- D 31/14-31/30 (transferred to 37/00-38/18)
- D 35/00 (transferred to 38/00-39/06)

Adriano NARMINIO

DEUTSCHES PATENTAMT German Patent Office	Class/Subclass: B32B
	Date: 2000-10-25
Comments C 278	

Re: IPC/WG/3

Comments were invited on

- whether a residual main group covering layered products not characterised by their structure or composition should be created after main group 29/00, or whether those layered products should be classified according to methods of making thereof as proposed in Note (1) following the Guide heading “Methods or apparatus for making layered products”(see Annex 26 to the project file). If the latter solution was considered preferable, whether the said note should be transferred to a set of notes following the subclass title.

We think that layered products not characterised by their structure or composition should be classified only according to the method of making thereof. Otherwise, by creating a residual product main group after 29/00, a collection of little interest would be the consequence for all layered products anyhow comprise a particular shape, structure or substance, see also 9/00, and show up in groups 1/00 to 29/00.

- whether the wording of the proposed group 37/16 (Ann.26) reflected its intended scope.

If mechanical presses are to be excluded likewise any indirect action of a pressurised fluid or of a vacuum (hydraulic press) 37/16 could be worded:

37/16 . characterised by direct action of a pressurised fluid or vacuum

- how the term “self-supporting” in groups 37/16 and 37/24 could be clarified or replaced by another term, bearing in mind that this term did not correctly define the scope of the said groups relating to independent layer’s preexisting before laminating.

We think “self-supporting” should be replaced by “existing as such before laminating”.

-the intended scope of the proposed group 37/58 (Ann.26) and how its wording could be modified to clearly define its scope.

“remarkable” in the sense of “remarkable in view of the laminating process” is perhaps better replaced by “**relevant**”

-how the term “sandwich panels” in group 37/32 could be defined and whether its definition should be included in the note before main group 37/00.

The term “sandwich panel” needs, in our view, a definition. The usual understanding might be along the lines of a panel composed of three layers with the inner layer consisting of an insulation material protected by the two outer layers.

In the context of 37/00 we prefer, however, a definition in the sense of two equal outer layers and one inner layer of a different kind.

- **38/00 and 39/00 (Ann. 28)**

We support the 38/00 and 39/00 schemes and suggest for their respective titles:

38/00 Additional operations in connection with laminating

and

39/00 Control of, safety equipment and layout for laminating

The Canadian Intellectual
Property Office



L'Office de la propriété
intellectuelle du Canada

Project Number: C-278 Date:20 September, 2000

Class/Subclass: B32B

Page 1 of 1

We consider that layered products not characterized by their structure should be classified according to methods of making such products.

We do not have any specific comments to formulate on the wording of subgroups 37/16 and 37/24.

As to the proposed wording of subgroup 37/58, we believe that it is acceptable and reflects the intended scope.

We would favour defining the term “sandwich panels” in the Note before main group 37/00. The overlap with subgroup 3/12 with respect to honeycomb layers should also be addressed.

As to Annex 28, we welcome and overall agree with the proposal from the EP. We however believe that some sections may overlap with B29C.

Nancy Beauchemin



Projet: C-278 Sous-classe: B32B

B32B

Note(s) après
le titre

- (2) La présente sous-classe ne couvre pas :
-les procédés ou appareils utilisés - - - lorsqu'ils trouvent leur application exclusivement, et peuvent être parfaitement classés, dans une seule - - - les compositions ou leur préparation - - - =>
- (3) Dans la présente sous-classe - - - de surface d'un produit.

< supprimer le deuxième alinea >

- (4) Dans la présente sous-classe, =>
- (5) Dans les groupes 1/00 à 33/00, à chaque - - -

**N Rubrique-
guide
avant
37/00**

Procédés ou appareils pour la fabrication des produits stratifiés; Traitement des couches ou des produits stratifiés

N Note(s)
avant
37/00

Dans les groupes 37/00 et 39/00, les expressions suivantes ont la signification ci-dessous indiquée :

- "stratification" désigne l'action qui consiste à combiner des couches non liées au préalable afin de constituer un produit dont les couches restent associées.
- une "stratification partielle" a lieu lorsqu'une couche ne recouvre pas complètement la surface d'une autre couche, ainsi la couche qui présente la surface la plus importante n'est stratifiée que sur une partie de sa surface.
- "adhésif" désigne une couche ou une partie de couche introduite dans le but de coller, quels que soient son état ou son procédé d'application.

N 37/00 Procédés ou dispositifs pour la stratification, p.ex. par polymérisation ou par liaison à l'aide d'ultrasons

- N 37/02 . en plusieurs étapes, p.ex. stratification par l'addition de nouvelles couches à des postes successifs de stratification
- N 37/04 . caractérisés par la fusion partielle d'au moins une couche
- N 37/06 . caractérisés par le procédé de chauffage
- N 37/08 . caractérisés par le procédé de refroidissement
- N 37/12 . caractérisés par l'usage d'adhésifs
- N 37/14 . caractérisés par les propriétés des couches
- N 37/16 . . toutes les couches étant autoportantes
- N 37/18 . . . impliquant l'assemblage de feuilles ou de panneaux individualisés uniquement
- N 37/20 . . . impliquant l'assemblage de bandes continues uniquement
- N 37/22 . . . impliquant l'assemblage à la fois de couches individualisées et de couches continues
- N 37/24 . . avec au moins une couche qui n'est pas autoportante, p.ex. une couche constituée par saupoudrage de matériau granulaire sur un substrat
- N 37/26 . . avec au moins une couche influençant la liaison au cours de la stratification, p.ex. couches anti-adhésives ou couches égalisatrices de la pression
- N 37/28 . impliquant l'assemblage de matériaux intermédiaires non plats qui sont aplatis à un stade ultérieur, p.ex. de tubes
- N 37/30 . Stratification partielle
- N 37/32 . Fabrication de panneaux sandwich, p.ex. avec des couches en nid d'abeilles



IPC/C 346/96 Rev.5
ORIGINAL: English/French
DATE: November 10, 2000

WORLD INTELLECTUAL PROPERTY ORGANIZATION
ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
GENEVA/GENÈVE

COMMITTEE OF EXPERTS OF THE IPC UNION
COMITÉ D'EXPERTS DE L'UNION DE L'IPC

IPC REVISION PROJECT FILE/DOSSIER DE PROJET DE RÉVISION DE LA CIB

PROPOSAL BY: PROPOSITION DE :	AT	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :	B 02 C
KIND OF REVISION: TYPE DE RÉVISION :	Creation of subgroups Création de sous-groupes		

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 346/96	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal / Demande de révision avec proposition détaillée		AT	12.01.96
2	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	GB	16.07.96
3	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	RO	-10.96
4	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	SE	17.10.96
5	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	SI	28.10.96
6	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	CA	18.10.96
7	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	EP	11.11.96
8	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	DE	19.11.96
9	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	FR	-11.96
10	Rapporteur report / Rapport du rapporteur	Rev.2	AT	20.02.97
11	Comments / Observations	Rev.3	SE	05.99
12	Decision of the Working Group / Décision du groupe de travail	Rev.3	WG	07.99
13	Comments / Observations	Rev.3	EP	10.99
14	Comments / Observations	Rev.3	RO	10.99

RAPPORTEUR : AT TECHNICAL FIELD/DOMAINE TECHNIQUE : M

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 346/96	ORIGIN/ ORIGINE	DATE
15	Comments / Observations	Rev.3	GB	10.99
16	Comments / Observations	Rev.3	SE	10.99
17	Comments / Observations	Rev.3	FR	11.99
18	Rapporteur report / Rapport du rapporteur	Rev.3	AT	11.99
19	Comments / Observations	Rev.4	DE	12.99
20	Decision of the Working Group / Décision du groupe de travail	Rev.4	WG	12.99
21	Comments / Observations	Rev.4	RU	03.00
22	Comments / Observations	Rev.4	JP	03.00
23	Comments / Observations	Rev.4	CA	03.00
24	Comments / Observations	Rev.4	SE	03.00
25	Comments / Observations	Rev.4	RO	03.00
26	Comments / Observations	Rev.4	EP	03.00
27	Comments / Observations	Rev.4	DE	04.00
28	Rapporteur report / Rapport du rapporteur	Rev.4	AT	05.00
29	Decision of the Working Group / Décision du groupe de travail	Rev.5	WG	06.00
30	Comments / Observations	Rev.5	US	07.00
31	Comments / Observations	Rev.5	GB	09.00
32	Comments / Observations	Rev.5	EP	09.00
33	Comments / Observations	Rev.5	JP	09.00
34	Comments / Observations	Rev.5	RU	09.00
35	Comments / Observations	Rev.5	RO	09.00
36	Comments / Observations	Rev.5	SE	09.00
37	Comments / Observations	Rev.5	FR	10.00
38	French version of approved amendments / Version française des modifications approuvées	Rev.5	FR	10.00
39	Rapporteur report / Rapport du rapporteur	Rev.5	AT	10.00
40	Comments / Observations	Rev.5	DE	10.00
41	Comments / Observations	Rev.5	CA	11.00

EXCERPT FROM DOCUMENT IPC/WG/3/3/
EXTRAIT DU DOCUMENT IPC/WG/3/3

Project C 346 (mechanical) – The Working Group considered the problem of existing application groups in the function-oriented subclass B 02 C, on the basis of the rapporteur report (see Annex 28 to the project file) and in the light of the general structure of the IPC and principles of classifying in function-oriented and application places of the IPC. In this regard, the Working Group accepted, with gratitude, an offer by the Delegation of the United States of America to prepare a study, in time for the next session of the Working Group, on the relationship of subclass B 02 C with relevant application areas of the IPC, in particular, whether application groups were appropriate in this subclass to provide for efficient search.

The Working Group agreed on the transfer of groups 18/42, 18/44, 19/12 and 19/14 (see Annex 30 to this report). In respect of this transfer, comments were invited on:

- whether, in view of the transfer of group 18/42 to subclass E 03 C, any amendments were needed in that subclass;
- in view of the transfer of group 18/44 to the new group B 29 B 17/04, whether the title of the new group was correct and whether any precedence references were needed in that group.

It was agreed that, because of the large heterogeneous file of group 18/40, this group was not useful for searching and that the revision of the group was necessary.

Comments were invited on whether group 18/40 should be deleted and covered by group 18/00, or whether its subject matter should be transferred to an application place, for example, subclass B 09 B.

Finally, the Working Group agreed not to create group A 01 G 3/10, proposed by the Rapporteur, covering “disintegrating plant waste”, since it was not considered appropriate for subclass A 01 G because of the heterogeneous technology it would have covered. With regard to another proposed group covering “disintegrating waste paper” (see Annex 28 to the project file), the Working Group agreed to postpone decision awaiting the results of the study to be carried out by the United States of America.

Project C 346 (mécanique) – Le groupe de travail a examiné le problème des groupes existants axés sur l’application dans la sous-classe B 02 C, qui est axée sur la fonction, en se fondant sur le rapport du rapporteur (voir l’annexe 28 du dossier de projet) en tenant compte de la structure générale de la CIB et des principes de classement dans les endroits de la CIB axés sur la fonction et dans les endroits de la CIB axés sur l’application. À cet égard, le groupe de travail a accepté avec gratitude l’offre de la délégation des États-Unis d’Amérique de réaliser, d’ici la prochaine session du groupe de travail, une étude sur le rapport entre la sous-classe B 02 C et les domaines pertinents de la CIB axés sur l’application, s’agissant en particulier de savoir si les groupes axés sur l’application sont utiles dans cette sous-classe aux fins de l’efficacité de la recherche.

Le groupe de travail a convenu de transférer les groupes 18/42, 18/44, 19/12 et 19/14 (voir l'annexe 30 du présent rapport). Au sujet de ce transfert, des observations ont été demandées :

- eu égard au transfert du groupe 18/42 dans la sous-classe E 03 C, sur la nécessité d'introduire des modifications dans cette sous-classe;
- eu égard au transfert du groupe 18/44 dans le nouveau groupe B 29 B 17/04, sur l'exactitude du titre du nouveau groupe et sur la nécessité d'inclure des renvois de priorité dans ce groupe.

Il a été convenu que, compte tenu du volume et du caractère hétérogène du dossier du groupe 18/40, ce dernier n'est pas utile à la recherche et qu'il convient de le réviser.

Des observations ont été demandées sur le point de savoir si le groupe 18/40 doit être supprimé et couvert par le groupe 18/00, ou si sa matière doit être transférée dans un endroit axé sur l'application, par exemple la sous-classe B 09 B.

Enfin, le groupe de travail a convenu de ne pas créer le groupe A 01 G 3/10 proposé par le rapporteur, qui couvre la "désagrégation des déchets végétaux", dans la mesure où ce groupe n'est pas jugé approprié pour la sous-classe A 01 G compte tenu du caractère hétérogène des techniques qu'il aurait couvertes. S'agissant d'un autre groupe proposé, qui couvre la "désagrégation des déchets papier" (voir l'annexe 28 du dossier de projet), le groupe de travail a convenu de reporter sa décision en attendant les résultats de l'étude réalisée par les États-Unis d'Amérique.

ANNEX	30	B 02 C	[Project-Rapporteur : 346/AT]	<SC03023E>
<i>D</i>	<i>18/42</i>	<i>(covered by 18/00, E 03 C 1/266)</i>		
<i>D</i>	<i>18/44</i>	<i>(transferred to B 29 B 17/04, covered by 18/00)</i>		
<i>D</i>	<i>19/12</i>	<i>(covered by 19/00)</i>		
<i>D</i>	<i>19/14</i>	<i>(covered by 19/00)</i>		

ANNEX	31	B 29 B	[Project-Rapporteur : 346/AT]	<SC03024E>
<i>N</i>	<i>17/04</i>	<i>• Disintegrating plastics</i>		

USPTO STUDY ON B 02 C	
REVISION PROJECT C 346 Class/subclass: B 02 C	Date: July 14, 2000

Comprehensive Analysis of the Appropriateness of Application Groups within Subclass B 02 C

In Revision Working Group report IPC/WG/3/3, the US offered to prepare a study for project C 346 on the relationship of subclass B 02 C with relevant application areas of the IPC. This study's primary objective is a comprehensive analysis of the generally perceived 'problem' of retaining existing application groups in the **"function-oriented"** subclass B02 C. In particular, the US was to address the issue of whether application groups were/are ever appropriate within the scheme of this subclass to provide for efficient searching. Consideration was to be given by the US in our study to both the general structure of the IPC and the principles of classifying in function-oriented and application places specified in the Guide.

The results of the USPTO's study indicate that application groups within the scheme of subclass B 02 C, and in function-oriented subclasses in general, are appropriate in specific situations as explained below.

Although not directly specified within our task, there is an important issue that must be addressed first in the study. It is that B 02 C is **not** now, nor has it ever been, a strictly 'function-oriented' subclass. At the very least, it was born both a function and application oriented hybrid subclass in the 1st edition of the IPC and has remained so until now. This is clear from the requirements of the subclass title that specifies "---DISINTEGRATION IN GENERAL; MILLING GRAIN". Within this crossbreed subclass, the 'milling of grain' is obviously an application under the guidelines of paragraph 53 (b) & (c) of the Guide and cannot be considered a "thing in general" which is required for a function-oriented subclass. This means that it is appropriate for us to turn to paragraph 55 of the Guide in this situation, which seems to best deal with this particular issue. It states that "---subclasses, are not always exclusively function-oriented or application-oriented in relation to other places". In our situation, our subclass **is always both**. Therefore, based on the second discrete part of its title, the scope of the subclass can never be narrowed to the extent that application groups are not appropriate for it under the existing rules of the IPC.

In view of the above statement, it should be obvious that it is appropriate within this subclass's scheme to utilize application type groups when their usage will enhance the efficiency of searching. This is the **sole** justification for specifying the milling of grain in the subclass title. The alternative concepts in the subclass title are obviously **not fundamentally distinct** from each other based upon the hierarchically indenting of groups 4/06, 4/16, 4/24, 4/38, 7/13, and 7/18 under main groups that are justified by the 1st part of the subclass title that specifies "in general". For this same reason, other specific 'applications' that will improve the quality of searching are justified when not specifically provided for in another subclass.

In our opinion, the terminology "in general" specified in paragraph 53(a) of the Guide was always intended to be correctly read "in general or specific applications **not** otherwise *specifically*

provided for” (see paragraph 33 of Guide). This type of terminology clarifies that a function-oriented subclass or group is the residual for all unprovided for special applications having the “things” within its title’s scope. This simply means that while the titles of subclasses or groups may be written in a manner so as to specify an intrinsic nature or functioning inherent in the body of art appropriate for its scope, the patents may not be so written. The individual patent documents collected together either may, or may not, themselves have significant modifications for particular applications. Whenever particular application-oriented subclasses or groups do not exist for this body of art, it can only appropriately be provided for in a function-oriented classification. Only the creation of specific classifications for an application can, or should, narrow the scope of the function-oriented classification by removal of its art (see paragraph 58 of Guide). In our opinion, the terminology “not considered to be essential” should be read by classifiers as a constantly fluctuating situation instead of an absolute unchanging standard. This means that whenever an application is later considered to have become essential for the improvement of searching, we will create a classification for it.

The guidance provided by paragraph 59 of the Guide for assigning patent documents is generally very useful but it is not complete. For example, special care must be taken when assigning multiple embodiments, variants, or species covered by a general inventive theme proper for a function-oriented classification. In this type of situation, each of the variants may be ‘specially adapted’ for a particular application. When all of the applications of the variants can be covered by application-oriented classifications, this is where they should be obligatorily classified and not as stated in paragraph 59 (a). When at least one variant is ‘specially adapted’ for an application that is not specifically provided for, it should also clearly be obligatorily classified in a function-oriented classification even if it is not clear that it has general utility to other applications.

Are the above clarifications on assignment at all important to our current task? The answer is yes, and the impact of this answer should point to the need for constraint in these situations. These clarifications have very practical implications with regard to the Revision Working Group’s creation of groups outside of the B 02 C subclass scheme for its existing currently specified ‘applications’. It means that at least some of the patent documents within these transferred groups are **also** still appropriately classified within subclass B 02 C. In addition, unless they are specially adapted for the application, even more patent documents may not be properly moved to their new classifications under paragraph 59 (a) of the Guide. An example of this difficult problem is shown by group A 23 G 1/12 (chocolate-refining mills) and group B 02 C 4/04 (specially adapted for milling paste-like material, e.g. chocolate). Group A 23 G 1/12 is intended to provide for mills ‘exclusively’ for chocolate. If a patent document contains a special adaptation for a chocolate mill and a mill for another article, then it is suppose to now be classified only in group B 02 C 4/04. How does this outcome help searching? In appropriate situations, such as in group C 09 B 67/04 (dyestuff milling), this useful type of multiple classification is justified. This is true even when some potential overlap in art is possible because of multiple disclosed utility (e.g., claims to both dyestuff milling and the milling of paint or similar paste-like material provided for within group B 02 C 4/04).

An analysis was done of subgroups B02C 18/40-18/42 to see whether there was overlap with other subgroups of B02C. Approximately 20 % of patent families in DWPI (230 out of 1115 patent families) were only classified in 18/40. (See appendix for exemplary documents.) This demonstrates the need for this subgroup. However, there were significant overlaps between the subgroups of 18/00-18/38 and 18/40. Specifically, over 27% (304 out of 1115 patent families in DWPI) were classified in both 18/00-18/38, and 18/40). This shows that many of these documents

are classified according to their function as well as their application. There was minor overlap between 18/40 and 18/42-44, which justifies the transfer of the art to other relevant areas of the IPC. There was also minor overlap between 18/40 and other groups 1/00-17/00 and 19/00-25/00. One solution to reduce the file size of 18/40 would be to have a precedence rule classifying according to their function first and only if it was not classifiable in groups 18/00-18/38, would it go in group 18/40.

With regard to a separate subgroup for waste paper, a subgroup under B43M 17/00 is undesirable. Most of the art classified in group B 43 M 17/00 does not relate to paper shredders but rather to desktop accessories. Most of the paper shredders were properly classified in B02C 18/00-18/40. Therefore, it would make more sense to provide a subgroup under 18/40 for waste paper as suggested by the Rapporteur.

The above results justify transfer of *some* of the application type groups to particular locations that clearly better provide for them as suggested by SE in Annex 16. This is an appropriate action whenever it improves our ability to search for a particular type of inventive concept. The deletion of groups B 02 C 18/42 & 18/44 and the creation of group B 29 B 17/04 are clearly useful. The deletion of group B 02 C 19/12 is justified if for no other reason than its lack of usefulness as a search tool. However, there is no strong theoretical (as specified above) or practical reason to delete either groups B 02 C 18/40 or 19/14 if they currently provide a useful search for their specified subject matter. Group B 02 C 4/04 and the other paste-like material milling groups, that have been retained by the WG, are no more justifiable than these groups. Unless scattering this art creates a useful benefit, USPTO suggest leaving it where it is currently classified.

In conclusion, our study establishes that it is appropriate in specific situations for application groups to be retained within, or added to, the scheme of subclass B 02 C. In our opinion, the Revision Working Group must carefully consider the costs of reclassifying revision projects. It is imperative for us in future projects to first establish realistic lines between the subclasses involved to contain the cost of reclassifying the backfile. We should be careful not to initiate reclassification efforts *beyond what is useful*. It is not useful when it does **not improve** our ability to successfully search for concepts. In projects involving clarification between function-oriented and application-oriented classifications, we must first determine that there is a real search problem and then if the proposed solution solves the problem at a reasonable cost.

Documents only classified in 18/40

US 5687918 A
DE 19640878 A1
FR 2731165 A1
EP 713727 A1
EP 704246 A1
WO 9507147 A1
US 5375781 A1

Documents classified in 18/40 and 18/00-18/38

US 5775605 A
EP 847805 A1
WO 9630319 A1
DE 4423150 C1
WO 9507146 A1

Documents classified in 18/40 and B 43 M 17/00

DE 4104437 A
US 5167374 A
GB 2098503 A
DE 3005663 A
FR 2423416 A
GB 1389993 A

UK Patent Office Comments	IPC Revision Project C346
Subclass B02C	Date 14 September 2000

General Comments

We generally support the principles of the US paper of Annex 30. We think that good work has been done in transferring some of the subject matter to more appropriate places but we should not go too far in transferring general subject matter, such as 18/40, without specific application areas for it to go to.

Ultimately we think B02C is worthy of further study as it illustrates well the practical difficulties of function vs application classification.

Subgroup	Opinion	Comments
E03C, 18/42	-	We are not at all sure whether the transfer of 18/42 was really a good idea. E03C 1/266 doesn't relate to the disintegrating apparatus itself, but the way in which it is arranged or adapted for plumbing installation. We see considerable problems in trying to adapt the wording of E03C to shoehorn disintegrating apparatus per se into an inappropriate place. If 18/42 were to be reinstated we think it should have a reference to E03C 1/266 as the two areas really relate to different subject matter.
18/40	-	Having read US paper we do not now support deletion as 18/40 is really a residual place. Ideally we should put effort into documenting particular application areas elsewhere in the IPC and clearly make 18/40 and any subgroups residual to these.
B29B 17/04	-	We think the title is correct, noting that B29B 17/00 only covers recovery of plastics so disintegration of plastics merely for disposal would not be covered here. This should be noted, probably in both B02C and B29B, although conventional IPC practice would only be to have a reference in the more general area, i.e. B02C.
B43M 17/00	-	We think the subject matter of paper shredders would be "lost" in B43M and would not have much of an affinity with the rest of the bureau (?) equipment classified there.

Project: C-346 Subclass: B02C

EP takes note of the analysis done by USPTO (Annex 30) and supports the conclusions, except for 18/40, where we are not satisfied by the "pragmatic" approach suggested.

Such an application-oriented group is not helpful for search, but as soon as the magical word appears in a document (here garbage, waste...), the temptation becomes irresistible for the classifier. He will put the document in that group, as a consequence the group grows disproportionately. Once the group becomes too big, the only way out is to subdivide it by creating new application-oriented subgroups.

As we courageously started to break that circle in B02C, we believe we should not stop half way. **In any case avoid creating a subgroup for paper waste**, which would blur the message sent by the deletion of groups 18/42, 18/44, 19/12 and 19/14.

A transfer towards subclass B09B is, in our opinion, inappropriate for 18/40. We prefer, by far, the deletion of the subgroup (everything will soon or later become garbage...) with transfer of the subject matter to group 18/00.

We have no further remarks regarding the already adopted deletions.

Adriano Narminio

Japanese Patent Office

21 September 2000

Project:C-346

Subclass:B02C

We do not find any problem in the transfer of group B02C 18/42 to subclass E03C as shown in Annex 30. We do not think any special amendments are needed in the subclass.

In view of the transfer of group 18/44 to the new group B29B 17/04, we support the title and precedence reference as shown in the third Rapporteur's Report, which were "disintegrating plastics, e.g. cinematographic films (9/02, 11/02 take precedence)".

On whether group 18/40 should be deleted and covered by group 18/00, or whether its subject matter should be transferred to an application place, for example, subclass B09B, we support the former. Because, the subject matters which have been covered in B02C 18/40 could properly be covered by B02C 18/00 even after the deletion of 18/40. Besides, B09B is a place to cover those subject matters not fully classifiable in a single other subclass. Thus, it is not appropriate to transfer the subject matter fully classifiable in a single other subclass to B09B.

FEDERAL INSTITUTE OF INDUSTRIAL PROPERTY

RU comments	
Project: C 346	Date: 03/10/00 9:52 AM
Class/subclass: B 02C	Page 1 of 1

This comments is in response to the questions asked on page 4 of report IPC/WG/3/3.

Taking into account the result of the US study (application groups are appropriate within the scheme of subclass B 02C) it seems unnecessary to delete group 18/40. It should have a reference:"(18/02-18/38 take precedence)" to avoid multiple classification and to reduce the file size. In our opinion disintegrating garbage, waste or sewage by methods pointed out in the title of 18/00 should be classified in this group.

In the absence of any more appropriate place for disintegrating waste paper we propose to provide a group for this subject matter under 18/40. We think B 43M is not suitable place for it.

We are not in favour of the transfer of group 18/42 to subclass E 03C and fully support GB opinion on this question (comments of September, 14, 2000).

In view of the transfer of group B 02C 18/44 to the new group B 29B 17/04 we think the proposed title of the new group is correct. Concerning precedence references in this group we proposed its as follows: (9/02, 11/02, 13/10 take precedence). Besides, it seems useful to have a reference in B 02C 18/40 to B 29B 17/04.

S.Kovaleva

**OFICIUL DE STAT PENTRU
INVENTII SI MĂRCI**

RO COMMENTS

Date: 22.09.00

Page: 1 of 1

Project: IPC C346

Class/Subclass B02C

In respect of the transfer of groups 18/42, 18/44, 19/12 and 19/14, comments were invited on:

-whether, in view of the transfer of the group 18/42 to subclass E03C, any amendments were needed in this subclass.

We sustain the deletion of B02C18/42. The matter should be covered by B02C18/40 and E03C1/266.

-in view of the transfer of the group B29 18/44 to the new group B29B17/04, whether the title of the new group was correct and whether any precedence references were needed in this group.

We agree with the title and precedence references proposed by the Rapporteur in Annex 28,

B29B17/04 . disintegrating plastics, e.g. cinematographic films (9/02; 11/02 take precedence).

-we do not agree with the deletion of the group 18/40.

N.MURARUS

Swedish Patent and Registration Office

IPC Revision Project C 346, subclass B02C

September 25th, 2000

COMMENTS (relating to Annex 29)

We would like to thank the USPTO for their study of the relationship between B02C and related application places. We would like to make the following remarks in response to that document:

1. The function of multi-part titles is defined in paragraph 25 of the Guide. B02C thus covers two separate bodies of art. As is obvious from the subclass index those two parts are almost entirely separated from each other. In fact the situation is exactly the same as with other application places, for example A01F 29/00. The only difference is that for some reason milling of grain was put in B02C instead of in some other subclass – it could just as well have been placed in the A21D area. We do not think that the "milling grain" part of the subclass is relevant to the discussion of the subgroups to 18/00.

The situation in this project is very similar to the one in project C414 (B30B), except that in B30B we have a note saying that it also covers presses for particular purposes not provided for elsewhere. In B30B it is appropriate to have application places. We have checked all subclasses that contain the words "in general". We found 52, and a very big majority of the groups in those subclasses are purely functional. There are 9 examples where you can find a main group, or sometimes only a single group, for applications. These are A61L, B02C, B05D, E06B, F01B, F01M, F02B, F27B and G05B.

2. We do not agree with the analysis of paragraphs 53(a), 58 and 59(a) of the guide, which we think is based on a misunderstanding of how the IPC works.

The general function places are intended to take *'things "in general", i.e., characterised by its intrinsic nature or function; the thing being either independent of a particular field of use or technically not affected if statements about the field of use are disregarded'* as specified in paragraph 53(a). Function places are not generally intended as residual places for unprovided-for application inventions. Things that are specially adapted for a particular application should in principle always be classified in that field of application, regardless of whether a group covering the exact matter exists. If that specially adapted thing can also be of general interest, it should also be classified in the general place. A considerable amount of multiple classification between function and application places is foreseen, and necessary for reliable document retrieval in the function places.

The example of A23G 1/12 is interesting, but completely consistent with the principles of classification. The only inventions that should be classified in A23G are the ones that are specially adapted for manufacture or treatment of cocoa or cocoa products. The mere mentioning, even in a claim, that a mill is used for cocoa does not in itself qualify the document for classification in A23G, for example if the invention relates to a bearing or an attachment for cleaning the rollers. An invention relating to a specially adapted mill for milling cocoa, solving specific cocoa-related milling problems, should be classified in A23G even if A23G 1/12 did not exist. A document containing several applications should be classified both in places for all these applications and in the general place – if the inventions merit classification in all those places.

3. A look at the example documents classified only in 18/40 does not indicate that the group must be retained:

- US 5687918 A does not mention disintegrating and should be classified in C05F.
- DE 19640878 A1 is clearly classifiable in 18/14 and 18/16 (organic waste, e.g. funeral wreaths)
- FR 2731165 A1 is clearly classifiable in 18/14 and 18/18 (kitchen waste).
- EP 713727 A1 is clearly classifiable in 18/22 or 23/08 (sewerage). The claims do not mention waste.
- EP 704246 A1 is clearly classifiable in 18/22 and 23/08 (waste water).
- WO 9507147 A1 is clearly classifiable in 18/06, 18/18, 23/10 and 23/36 (household waste in bags)
- US 5375781 A is clearly classifiable in 18/22 and 23/00 (paper shredder)

A group covering such a wide variety of waste (waste water, kitchen waste, funeral wreaths, paper etc.) can hardly be said to cover a coherent technology and makes little sense for search.

4. We agree that revision should not be undertaken unless it leads to improvement. When discussing this, the most negative aspect of application places has to be taken into account: Valuable information of general nature is often hidden in application places. Several of the example documents mentioned above disclose technology that is definitely of wider applicability than only to "waste".

Comments were invited on:

– whether, in view of the transfer of group 18/42 to subclass E03C, any amendments were needed in that subclass;

If the existing scheme works now it will probably work in the future too, but it is not very internally consistent and the wording does not conform with current practise:

- 1/00 Domestic plumbing installations for fresh water or waste water; Sinks**
- 1/12 • Plumbing installations for waste water; Basins or fountains connected thereto (drainage devices in floors E03F 5/04); Sinks**
- 1/26 • • Object-catching inserts or similar devices for outlets (E03C 1/28 takes precedence)**
- 1/262 • • • combined with outlet stoppers**
- 1/264 • • • Separate sieves or similar object-catching inserts**
- 1/266 • • • Arrangements or adaptations of disintegrating apparatus in waste pipes, outlets to waste pipes, or the like (disintegrating apparatus per se B02C)**

We think "*or waste pipes*" should be added to the 1/26 title – the present wording does not cover the present 1/266. The 1/266 title would better read "*Arrangement of disintegrating apparatus in waste pipes or outlets; Disintegrating apparatus specially adapted for installation in domestic waste water installations*". The existing reference is informative and can be deleted or moved to the informative layer.

– in view of the transfer of group 18/44 to the new group B29B 17/04, whether the title of the new group was correct and whether any precedence references were needed in that group.

We think it is correct, even though it is almost irritatingly short.

- whether group 18/40 should be deleted and covered by group 18/00, or whether its subject matter should be transferred to an application place, for example, subclass B09B.

We still think 18/40 can be deleted. The group is pretty useless, no documents will become homeless and since there is a large amount of double classification we do not think it will have a big effect on the file size in the remaining groups.

Anders Bruun

Projet IPC / C 346
Sous-classe **B02C**

Au WG 3/3, des observations ont été demandées sur le transfert des groupes 18/42, 18/44, 19/12, 19/14 en tenant compte du rapport fourni par l' USPTO

- sur le transfert du 18/42 en E03C1/266

En réalité il n'y a pas de transfert du groupe B02C 18/42 vers le E03C 1/266 mais la suppression de l'entrée fera que la matière concernant le broyage sera classée dans les groupes restants du 18/00 , les dispositifs relatifs au tri, aération en 23/00, l'aspect adaptation de l'appareil sur les canalisations étant classé en E03C

Nous approuvons la suppression de cette entrée et ne croyons pas opportun de modifier le libellé du E03C1/266

- sur le transfert du groupe 18/44 en B29B 17/04 crée au WG 3/3

Ce transfert nous convient ainsi que le libellé

- sur la suppression du groupe 18/40

les documents fournis par l'USPTO (annexe 30 page 4) ne nous convainquent pas de l'utilité de maintenir le 18/40

parmi les exemples qui sont classés uniquement en 18/40 on peut remarquer:

- US 5687918 concerne un dispositif pour faire décomposer des ordures et les composter il ne nous semble pas entrer dans la définition du broyage encore moins dans la définition de désagrégation par couteaux ou organes coupants du 18/00 le C05F 17/02 nous semble plus adapté

- DE 19640878 concerne un dispositif de désagrégation situé à l'extrémité d'une bande transporteuse avec un rouleau pour faire avancer la matière, une barre de butée et un rotor de fragmentation ce document peut se classer en... B02C 18/06, 18/22

- FR2731165... peut se classer en...B02C 18/14, 18/18

- EP 713727 ... peut se classer en... B02C 23/08

- EP704246 ... peut se classer en... B02C 18/10, 23/36

- WO9507147... peut se classer en... B02C 23/08, 23/36

- US5375781... peut se classer en... B65F 1/04, 1/14 B02C 18/22

Projet IPC / C 346
Sous-classe **B 02 C**

VERSION FRANÇAISE

Ce document a été établi sur la base de notre proposition, après consultation des autres offices et du Bureau international.

(ref : annexes 30 & 31 du document IPC/WG/3/3)

B 02 C

D 18/42 (couvert par 18/00, E 03 C 1/266)

D 18/44 (transféré en B 29 B 17/04, couvert par 18/00)

D 19/12 (couvert par 19/00)

D 19/14 (couvert par 19/00)

B 29 B

N 17/04 . Désintégration des matières plastiques

Österreichisches Patentamt
Austrian Patent Office

Project PCIPI / C 346 / 96
Subclass B 02 C

Page 1 of 5
25 October 2000

4th Rapporteur Report

On their third meeting the Working Group agreed on the transfer of groups 18/42, 18/44, 19/12 and 19/14 (see Annex 29 to the project file). In respect of this transfer, comments were invited on:

- whether, in view of the transfer of group 18/42 to subclass E 03 C, any amendments were needed in that subclass;
- in view of the transfer of group 18/44 to the new group B 29 B 17/04, whether the title of the new group was correct and whether any precedence references were needed in that group.

Regarding the large heterogeneous file of 18/40 it was agreed that this group was not useful for searching and that the revision of the group was necessary. Comments were invited on

- whether group 18/40 should be deleted and covered by group 18/00, or whether its subject matter should be transferred to an application place, for example, subclass B 09 B.

With regard to another proposed group covering “disintegrating waste paper” (see Annex 28 to the project file), the Working Group agreed to postpone decision awaiting the results of the study to be carried out by the United States of America.

The Working Group accepted an offer by the USPTO to prepare a study, in time for the next session, on the relationship of subclass B02C with relevant application areas of the IPC, in particular, whether application groups were appropriate in this subclass to provide for efficient search.

Comments were received from US, GB, EP, JP, RU, RO, SE and FR.

Rapporteur thanks the USPTO for their extensive study on the appropriateness of application groups within subclass B02C.

Comments were invited on

- **whether, in view of the transfer of group 18/42 to subclass E03C, any amendments were needed in that subclass;**

US, EP, JP, RO and **FR** support the deletion of the group in B02C but do not see a necessity for amendments in E03C. **FR** actually see no transfer of group B02C 18/42 towards E03C 1/266. Documents concerning disintegrating will still be classified in the remaining groups of 18/00. Only those documents relating to the adaptation of the apparatus for installation in waste pipes will be classified in E03C1/266.

SE think the scheme in E03C 1/.. is not consistent and suggest a modified wording in E03C 1/266 and in superior group 1/26.

GB and **RU** are not sure whether the transfer of 18/42 was a good idea. **GB** think that E03C 1/266 does not relate to the disintegrating apparatus itself, but the way in which it is arranged or adapted for plumbing installation. They see considerable problems in trying to adapt the wording of E03C to cover disintegrating apparatus per se.

The majority of comments (6 offices) is in favour of deleting 18/42 as agreed on by the WG. Opinion expressed by the comments is that in this area application-oriented groups are not helpful for search. The most negative aspect of application places is considered to be that valuable information of general nature is often hidden in application places. Rapporteur is not convinced it would make much sense to reinstate application-oriented group 18/42 under B02C again.

Rapporteur goes along with the opinion of comments that E03C 1/266 should not cover disintegrating apparatus per se but special adaptations of disintegrating apparatus in waste pipes. Most offices do not see a need for amendments in E03C. But the modified wording suggested by **SE** could be an advantageous clarification in this area and resolve doubt expressed by **GB**.

Rapporteur is of the opinion that existing group

1/266 ••• Arrangements or adaptations of disintegrating apparatus in waste pipes, outlets to waste pipes, or the like (disintegrating apparatus per se B02C) could be amended to

1/266 ••• *Arrangement of disintegrating apparatus in waste pipes or outlets; Disintegrating apparatus specially adapted for installation in domestic waste water installations* as proposed by **SE** in order to clarify that the group covers special arrangements or special adaptations of disintegrating apparatus for installation in waste pipes and not the disintegrating apparatus per se. Probably the wording could be shortened by not repeating “domestic waste water installations” which is already part of the main group title of 1/00 (“domestic plumbing installations for fresh water or waste water”). Rapporteur proposes 1/266 to read:

1/266 ••• *Arrangement of disintegrating apparatus in waste pipes or outlets; Disintegrating apparatus specially adapted for installation **in waste pipes or outlets***

The existing reference is informative and can be moved to the informative layer:

*Note(s) after
1/266*

Informative note

References listed below indicate IPC places which could also be of interest when carrying out a search in respect of the subject matter covered by the preceding group:

Disintegrating apparatus per se B02C

Since “waste pipes or outlets” are covered by subgroup 1/266 “waste pipes” should also be included in the title of superior group 1/26. Rapporteur supports the suggestion by **SE** to amend the title of :

1/26 •• Object-catching inserts or similar devices for outlets *or waste pipes* (E03C 1/28 takes precedence)

- **in view of the transfer of group 18/44 to the new group B29B 17/04, whether the title of the new group was correct and whether any precedence references were needed in that group.**

US and **EP** support the deletion of the group in B02C but do not comment on the title and the necessity of precedence references in B29B 17/04.

JP, RU and **RO** support the title and the precedence references as proposed in the third Rapporteur Report (Annex 28 to the project file). **RU** suggest an additional reference to 13/10. Also **SE** and **FR** support the title of 17/04.

GB think the title is correct, but B29B 17/00 only covers recovery of plastics. So disintegration of plastics merely for disposal would not be covered here.

Rapporteur recommends to adopt the wording as proposed by WG/3/3. The comments support the new group title *17/04 • Disintegrating plastics*.

Those offices which have commented on the question of precedence references prefer the precedence notes suggested in the third Rapporteur Report. Rapporteur thinks that an additional reference to 13/10 as proposed by **RU** could be useful. The title would read then *17/04 . disintegrating plastics (9/02, 11/02, 13/10 take precedence)*.

- **whether group 18/40 should be deleted and covered by group 18/00, or whether its subject matter should be transferred to an application place, for example, subclass B09B.**

US, RU and **RO** see no strong reason to delete group B02C 18/40. **US** find it currently provides a useful search for the specified subject matter. Unless scattering this art creates a useful benefit **US** suggest leaving it where it is currently classified. **RU** propose a precedence reference like “18/02 – 18/38 take precedence” .

GB do not support deletion as 18/40 is really a residual place. Particular application areas elsewhere in the IPC should be documented and 18/40 and any subgroups should be clearly made residual to these.

EP, JP, SE and **FR** prefer the deletion of the subgroup with transfer of the subject matter to group 18/00.

None of the comments approves the transfer of the subject matter to B09B.

A division of opinions arises whether 18/40 should be deleted and covered by group 18/00 (four comments) or whether 18/40 should be retained (four comments).

In view of the **US** study it seems appropriate to have application-oriented groups only when their usage will enhance efficiency of searching. Taking into account the example documents classified only in 18/40 presented in the study provided by the **US** it can be seen that this group covers a wide variety both of waste and of technology. Rapporteur wonders if this heterogeneous file makes much sense for search.

Rapporteur therefore suggests either to delete it and transfer the documents to the relevant function oriented groups under 18/00 or to make 18/40 strictly residual:

18/40 • specially adapted for disintegrating garbage, waste, or sewage *not otherwise provided for*.

– **whether a group covering “disintegrating waste paper” should be created**

US, GB EP and RU commented on this question of “disintegrating waste paper”. All comments find a subgroup under B43M 17/00 is undesirable. Most of the art classified in group B 43 M 17/00 does not relate to paper shredders but rather to desktop accessories and bureau equipment.

US and RU think most of the paper shredders were properly classified in B02C 18/00-18/40. Therefore, it would make more sense to provide a subgroup under 18/40 for waste paper as suggested by the Rapporteur.

EP opposes the creation of a subgroup for waste paper under B02C.

Rapporteur goes along with the general arguments brought forward against the creation of application-oriented groups in B02C. Therefore it does not seem appropriate to establish a new application-oriented entry for waste paper. It would be contrary to the principle followed in this revision project by deleting existing application-oriented groups like 18/42, 18/44, 19/12 and 19/14.

The Working Group should discuss the need for an application-oriented group for disintegrating waste paper under B02C in the light of the results of the study carried out by the US.

Summary:

B02C

D 18/40 (covered by 18/00 – 18/38)

or

18/40 • specially adapted for disintegrating garbage, waste, or sewage *not otherwise provided for*

D 18/42 (covered by 18/00, E 03 C 1/266)

D 18/44 (transferred to B 29 B 17/04, covered by 18/00)

B29B

N 17/04 • *disintegrating plastics (9/02, 11/02, 13/10 take precedence).*

E03C

1/26 •• Object-catching inserts or similar devices for outlets *or waste pipes* (E03C 1/28 takes precedence)

1/266 ••• *Arrangement of disintegrating apparatus in waste pipes or outlets; Disintegrating apparatus specially adapted for installation in domestic waste water installations*

or

1/266 ••• *Arrangement of disintegrating apparatus in waste pipes or outlets; Disintegrating apparatus specially adapted for installation **in waste pipes or outlets***

Note(s) after

1/266

Informative note

References listed below indicate IPC places which could also be of interest when carrying out a search in respect of the subject matter covered by the preceding group:

Disintegrating apparatus per se B02C

DEUTSCHES PATENTAMT German Patent Office	Class/Subclass: B02C
	Date: 2000-10-25
Comments C 346	

Re: IPC/WG/3

Comments were invited on

- **whether, in view of the transfer of group 18/42 to subclass E03C, any amendments were needed in that subclass.**

We think that to the title of superior group 1/26 should be added 'or the like' to make it valid also for pipes according to 1/266.

- **in view of the transfer of group 18/44 to the new group B29B 17/04, whether the title of the new group was correct and whether any precedence reference was needed in that group.**

In our view 'disintegrating plastics' without precedence references would be all right.

- **whether group 18/40 should be deleted and covered by group 18/00, or whether its subject matter should be transferred to an application place, for example, subclass B09B.**

According to the USPTO study there is considerable overlap with several groups under 18/00. Otherwise we would see no problem at all in keeping this application oriented group under 18/00 for with subject matter of 18/40 the use of knives or other cutting or tearing members or worms is certainly ascertainable and also a considerable interest in having this special application oriented group can be assumed.

As B09B is not a good place because of its residual character we all in all prefer to maintain 18/40 in order to preserve search efficiency in this important branch of technology.

The Canadian Intellectual
Property Office



L'Office de la propriété
intellectuelle du Canada

Project Number: C346

Date: 21 Sept. 2000

Class/Subclass: B02C

Page 1 of 1

In answer to the questions raised at IPC/WG/3/3, CA would like to offer the following comments:

1. “Whether, in view of the transfer of group 18/42 to subclass E03C, any amendments were needed in that subclass;”

CA suggests removal of the reference to B02C in subgroup E03C 1/266 since this subject matter is in E03C now and not in B02C.

2. “In view of the transfer of group 18/44 to B29B 17/04, whether the title of the new group was correct and whether precedence references were needed in that group.”

CA believes that the title of the new group is acceptable and that the titles of the main groups, B28B 9/00, 11/00 and 17/00 are distinctive enough to prevent confusion between the new group and the existing ones. However, we would suggest a note giving 17/02 precedence over 17/04.

3. Subclass 18/40

CA favours retention of this subclass in view of the difficulty in finding application places for all the subject matter.

4. Disintegration of waste paper

CA does not favour creation of a place in B43M since many of the patented devices are not for desk-top but rather are designed for recycling paper on an industrial scale.

Gerry Guzzo



IPC/C 354/96 Rev.6
ORIGINAL: English/French
DATE: November 10, 2000

WORLD INTELLECTUAL PROPERTY ORGANIZATION
ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
GENEVA/GENÈVE

COMMITTEE OF EXPERTS OF THE IPC UNION
COMITÉ D'EXPERTS DE L'UNION DE L'IPC

IPC REVISION PROJECT FILE/DOSSIER DE PROJET DE RÉVISION DE LA CIB

PROPOSAL BY: PROPOSITION DE :	DE	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :	B 60 R
KIND OF REVISION: TYPE DE RÉVISION :	Creation of subgroups Création de sous-groupes		

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 354/96	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal / Demande de révision avec proposition détaillée		DE	16.02.96
2	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	GB	31.07.96
3	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	RO	-10.96
4	Comments (re Annexes 1, 2) / Observations (réf. annexes 1, 2)	Rev.1	SE	21.10.96
5	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	CA	18.10.96
6	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	US	30.10.96
7	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	FR	-11.96
8	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.2	EP	13.02.97
9	Rapporteur report / Rapport du rapporteur	Rev.2	DE	21.04.97
10	Comments / Observations	Rev.3	DE	05.99
11	Decision of the Working Group / Décision du groupe de travail	Rev.4	WG	07.99
12	Comments / Observations	Rev.4	EP	10.99
13	Comments / Observations	Rev.4	CA	10.99
14	Comments / Observations	Rev.4	RO	10.99

RAPPORTEUR : DE TECHNICAL FIELD/DOMAINE TECHNIQUE : M

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 354/96	ORIGIN/ ORIGINE	DATE
15	Comments / Observations	Rev.4	FR	11.99
16	Comments / Observations	Rev.4	SE	11.99
17	Rapporteur report / Rapport du rapporteur	Rev.5	DE	12.99
18	Decision of the Working Group / Décision du groupe de travail	Rev.5	WG	12.99
19	Proposal / Proposition	Rev.5	DE	03.00
20	Comments / Observations	Rev.5	EP	03.00
21	Comments / Observations	Rev.5	JP	03.00
22	Comments / Observations	Rev.5	CA	03.00
23	Comments / Observations	Rev.5	SE	03.00
24	Comments / Observations	Rev.5	RO	03.00
25	Decision of the Working Group / Décision du groupe de travail	Rev.6	WG	06.00
26	Comments / Observations	Rev.6	EP	09.00
27	Comments / Observations	Rev.6	JP	09.00
28	Comments / Observations	Rev.6	GB	09.00
29	Comments / Observations	Rev.6	RO	09.00
30	Comments / Observations	Rev.6	SE	09.00
31	Comments / Observations	Rev.6	FR	10.00
32	French version of approved amendments / Version française des modifications approuvées	Rev.6	FR	10.00
33	Rapporteur report / Rapport du rapporteur	Rev.6	DE	10.00
34	Comments / Observations	Rev.6	CA	11.00

EXCERPT FROM DOCUMENT IPC/WG/3/3/
EXTRAIT DU DOCUMENT IPC/WG/3/3

Project C 354 (mechanical) – Comments were invited on (see Annex 35 to this report, relating to subclass B 60 R, unless otherwise indicated):

- The correctness of the wording of group 21/20, in the light of its hierarchically higher groups;
- how the wording of the proposed group 21/205 (see Annex 20 to the project file) could be clarified;
- the correctness of the transfer note for group 21/22;
- whether the hierarchical position of group 21/233 was correct or whether it should become a five-dot group, and, in this context, whether the transfer note for group 21/24 was correct;
- the correctness of the wording of group 21/237;
- whether a group covering subject matter of the group proposed as group 21/32 (see Annex 20 to the project file) should be created and, if that were the case, what wording it should have.

Projet C 354 (mécanique) – Des observations ont été demandées (sauf indication contraire, voir l'annexe 35 du présent rapport, relative à la sous-classe B 60 R) :

- sur l'exactitude du libellé du groupe 21/20, compte tenu des groupes hiérarchiquement supérieurs;
- sur la manière de préciser le libellé du groupe 21/205 proposé (voir l'annexe 20 du dossier de projet);
- sur l'exactitude de la note de transfert pour le groupe 21/22;
- sur l'exactitude de la position hiérarchique du groupe 21/233 et sur le point de savoir s'il doit devenir un groupe à cinq points et, dans ce cas, si la note de transfert pour le groupe 21/24 est correcte;
- sur l'exactitude du libellé du groupe 21/237;
- sur le point de savoir si un groupe couvrant la matière du groupe 21/32 proposé (voir l'annexe 20 du dossier de projet) doit être créé et, dans l'affirmative, comment il doit être libellé.

ANNEX	35	B 60 R	[Project-Rapporteur : 354/DE]	<SC03027E>
N	21/013	• •	<i>including means for detecting collisions, impending collisions or roll-over</i>	
N	21/0132	• • •	<i>responsive to vehicle motion parameters</i>	
N	21/0134	• • •	<i>responsive to imminent contact with an obstacle</i>	
N	21/0136	• • •	<i>responsive to actual contact with an obstacle</i>	
N	21/015	• •	<i>including means for detecting the presence or position of passengers, passenger seats or child seats, e.g. for disabling triggering</i>	
N	21/017	• •	<i>including arrangements for providing electric power to the safety arrangements</i>	
C	21/20	• • •	<i>Arrangements for storing — — — or deflated condition; Arrangement or mounting of air bag modules or components</i>	
N	21/203	• • • •	<i>characterised by the covers for the inflatable member</i>	
N	21/207	• • • •	<i>in steering wheels or steering columns</i>	
N	21/210	• • • •	<i>in dashboards</i>	
N	21/213	• • • •	<i>in vehicle seats</i>	
N	21/215	• • • •	<i>in vehicle side panels, e.g. doors or pillars</i>	
N	21/217	• • • •	<i>in vehicle roofs, e.g. in roof frames</i>	
D	21/22		<i>(transferred to 21/20, 21/231)</i>	
N	21/23	• • •	<i>Inflatable members</i>	
N	21/231	• • • •	<i>characterised by their shape, e.g. shaped with respect to a specific part of the occupant's body</i>	
N	21/233	• • • •	<i>comprising a plurality of individual compartments; comprising two or more bag-like members, one within the other</i>	
N	21/235	• • • •	<i>characterised by their material</i>	
N	21/237	• • • •	<i>characterised by the way they are folded</i>	
N	21/239	• • • •	<i>characterised by their venting means</i>	
D	21/24		<i>(transferred to 21/233)</i>	
	21/26	• • •	<i>characterised by the inflation fluid source or means to control inflation fluid flow</i>	
N	21/264	• • • •	<i>using instantaneous release of stored pressurised gas</i>	
N	21/268	• • • • •	<i>with means for increasing the pressure of the gas when inflation is required, e.g. hybrid inflators</i>	
N	21/272	• • • •	<i>using instantaneous generation of gas (21/268 takes precedence)</i>	
N	21/276	• • • •	<i>with means to vent the inflation fluid source, e.g. in case of overpressure</i>	
D	21/28		<i>(transferred to 21/239, 21/276)</i>	
D	21/32		<i>(covered by 21/16)</i>	

Project: C-354 Subclass: B60R

A large number of subgroups were adopted during our last meeting, and comments requested as regards various details relating to the correctness of the wordings and the transfer notes, as well as the pertinence of subgroup 21/32 in the new scheme.

- 1) EP is fully satisfied with the wording adopted for 21/20
- 2) For 21/205 we propose a slightly different title:

21/205 Inflator retainers, e.g. reaction canister; connection of bags, diffusers or inflators thereto
- 3) In our opinion the transfer note adopted for group 21/22 is correct.
- 4) In fact 21/233 should be a five-dot group. The transfer note for group 21/24 would not be affected.
- 5) The wording adopted seems satisfactory.
- 6) We believe group 21/32 should be created as proposed in annex 20. For the reasoning, please refer to annex 12 page 2.

Adriano Narminio

Japanese Patent Office

21 September 2000

Project:C-354

Subclass:B60R

1. The correctness of the wording of group 21/20, in the light of its hierarchically higher groups
 - * We do not have any special counterproposal.
2. Clarification of the wording of the proposed group 21/205
 - * We think the wording is clear enough as it is.
3. The correctness of the transfer note for group 21/22
 - * We think it correct.
4. The correctness of the hierarchical position of group 21/233, whether it should become a five-dot group, and in this context, the correctness of the transfer note for group 21/24
 - * We think the hierarchical position is right as it is and the transfer note is correct.
5. The correctness of the wording of group 21/237
 - * We think it correct.
6. Whether a group 21/32 should be created, and if so, what wording it should have?
 - * We think the existing group 21/32 should be kept as it is. We still have many, and would have more, documents concerning *control devices especially for initiating inflation of air bags*. When searching such devices, we could not limit the search to those “especially for initiating inflation of air bags” if there would be only 21/16, a hierarchically higher group to classify air bags. The search would be insufficient and inefficient even if limiting it by other related subject matters (e.g. 21/01). We think the wording should be as it is (i.e. “responsive to a vehicle condition which assumes impending collision, including electrical sensors to initiate inflation”).

 UK Patent Office

Date: 25 September 2000

 Comments on Project C354, Subclass B60R

- **The correctness of the wording of group 21/20, in the light of its hierarchically higher groups;**
- **how the wording of the proposed group 21/205 (see Annex 20 to the project file) could be clarified;**

We think 3 dot hierarchical position of 21/20 is correct but it should include at ---, wording such as "the inflatable member in its non-use", but it would then seem that a further 4 dot entry somewhat along the lines of 21/205 in Annex 20 would be necessary. Suitable wording might be :-

21/205 characterised by the container or mounting means of the inflatable member, or parts thereof, including canisters, inflators and diffusers and the interconnection of these members with each other or with the inflatable member

- **the correctness of the transfer note for group 21/22;**

The transfer note for 21/22 seems correct, especially if reference to 21/20 includes the 4 dot sub-groups which follow e.g. 21/203

- **whether the hierarchical position of group 21/233 was correct or whether it should become a five-dot group, and, in this context, whether the transfer note for group 21/24 was correct;**

Hierarchical position of 21/233 appears to be correct, as does the transfer note for sub-group 21/24.

- **the correctness of the wording of group 21/237;**

We think this is correct as it stands as it expresses the mode of folding

- **whether a group covering subject matter of the group proposed as group 21/32 (see Annex 20 to the project file) should be created and, if that were the case, what wording it should have.**

We think there is a case for including 21/32, as an area for mechanical initiators, but it might be more appropriate to include it at the beginning immediately following 21/00, effectively giving 21/01 two sub divisions at the 2 dot level, ie electrical as currently proposed 21/01 to 21/017 and either mechanical or other. We are not convinced there would be any need to subdivide the latter.

OFICIUL DE STAT PENTRU

Date: 22.09.00

RO COMMENTS

INVENTII SI MĂRCI

Page: 1 of 1

Project: IPC C354

Class/Subclass B60R

Comments were invited on:

-the correctness of the wording of the group 21/20, in the light of its hierarchically higher groups.

We consider the wording of the group 21/20 correct, reporting it to its hierarchically higher groups. We suggest to replace "air bag" in the second line with "inflatable member".

-how the wording of the proposed group 21/205 (Annex 20 to the project file) could be clarified.

In our opinion the wording of the group 21/205 is clear enough.

-the correctness of the transfer note for the group 21/22

We consider the transfer note for the group 21/22 correct.

-whether the hierarchical position of the group 21/233 was correct or whether it should be become a five-dot group, and, in this context the transfer note for the group 21/24 was correct.

We do not agree to make 21/24 a five-dot group.

The correctness of the order of the group 21/237.

In our opinion the wording of the group 21/237 is correct.

-whether a group covering the subject matter of the group proposed as group 21/32 (Annex 20 to the project file) should be created and, if that were the case, what wording it should have.

We agree with the creation of such a group and, in that case the wording should be that from Annex 20 to the project file

N.MURARUS

Swedish Patent and Registration Office

IPC Revision Project C 354, subclass B60R

September 25th, 2000

COMMENTS (relating to Annex 25)

Comments were invited on:

– **The correctness of the wording of group 21/20, in the light of its hierarchically higher groups:**

We prefer "Arrangements for storing *inflatable members in* non-use or deflated condition; Arrangement - - -".

– **how the wording of the proposed group 21/205 could be clarified:**

We assume that "inflators" are the same things as the "inflation fluid sources" in other parts of the scheme – therefore we propose "*Inflation fluid source retainers, e.g. reaction canisters; Arrangements for connection of inflatable members, diffusers or inflation fluid sources thereto*". If "inflators" are not the same thing as "inflation fluid sources" some definition of the term is needed.

– **the correctness of the transfer note for group 21/22:**

We think it is correct.

– **whether the hierarchical position of group 21/233 was correct or whether it should become a five-dot group, and, in this context, whether the transfer note for group 21/24 was correct:**

We think 21/233 should remain a four-dot group as adopted, since it relates to an internal structure that might not be reflected in a "characteristic" shape. 21/233 should take precedence over 21/231, since there is considerable overlap between the groups. The transfer note is correct.

– **the correctness of the wording of group 21/237:**

We do not think the title can be misunderstood.

– **whether a group covering subject matter of the group proposed as group 21/32 should be created and, if that were the case, what wording it should have:**

We can agree to the introduction of such a group, but the wording should be clarified: "*Non-electric arrangements for triggering of inflation (electrical circuits therefor 21/01)*"

Projet IPC / C 354
Sous-classe B60R

Au WG 3/3 des observations ont été demandées

- sur l'exactitude du libellé du groupe 21/20 compte tenu des groupes hiérarchiquement supérieurs

Le libellé du 21/20 nous convient, c'est l'ancien libellé qui n'était pas bien adapté au groupe hiérarchiquement supérieur

- sur l'exactitude de la noter de transfert pour le groupe 21/22

la note de transfert nous semble correcte

- sur l'exactitude de la position hiérarchique du groupe 21/233 et sur le point de savoir s'il doit devenir un groupe à 5 points

Une entrée à 5 points permet d'éviter le chevauchement avec le 21/231 mais il est possible de la garder avec 4 points et de permettre un classement multiple

- sur l'exactitude du libellé du groupe 21/237

le libellé convient

- si un groupe couvrant la matière du 21/32 doit être créé

une partie de la matière du 21/32 de la CIB7 va être transférée en 21/013 et la partie résiduelle qui concerne le déclenchement non électrique devra rester en 21/32
21/32 . . . arrangements for non electric triggering of inflation

Projet IPC / C 354
Sous-classe **B 60 R**

VERSION FRANÇAISE

Ce document a été établi sur la base de notre proposition, après consultation des autres offices et du Bureau international.

(ref : annexe 35 du document IPC/WG/3/3)

B 60 R

- N 21/013 . . comportant des moyens pour détecter les collisions, les collisions imminentes ou un renversement*
- N 21/0132 . . . réagissant à des paramètres de mouvement du véhicule*
- N 21/0134 . . . réagissant à un contact imminent avec un obstacle*
- N 21/0136 . . . réagissant à un contact effectif avec un obstacle*
- N 21/015 . . comportant des moyens pour détecter la présence ou la position des passagers, des sièges des passagers ou des sièges pour enfants, p. ex. pour mettre hors service le déclenchement*
- N 21/017 . . comportant des dispositions pour alimenter les dispositions de sécurité en courant électrique*
- C 21/20 . . . Dispositions pour ranger - - - ou à l'état dégonflé; Agencement ou montage des composants ou modules des coussins gonflables*
- N 21/203 caractérisés par le couvercle de l'élément gonflable*
- N 21/207 dans le volant ou la colonne de direction*
- N 21/210 dans le tableau de bord*
- N 21/213 dans les sièges du véhicule*
- N 21/215 dans des panneaux latéraux du véhicule, p. ex. les portes ou les montants*
- N 21/217 dans le toit du véhicule, p. ex. le cadre de toit*
- D 21/22 (transféré en 21/20, 21/231)*
- N 21/23 . . . Éléments gonflables*

- N 21/231 *caractérisés par leur forme, p. ex. la forme étant adaptée à une partie déterminée du corps de l'occupant*
- N 21/233 *comportant un certain nombre de compartiments individuels; comportant au moins deux éléments en forme de sacs placés l'un dans l'autre*
- N 21/235 *caractérisés par leur matériau*
- N 21/237 *caractérisés par la façon dont ils sont pliés*
- N 21/239 *caractérisés par leurs moyens de mise à l'air libre*
- D 21/24 (transféré en 21/233)
- 21/26 *caractérisés par la source de fluide de gonflage ou par les moyens de commande de l'écoulement du fluide de gonflage*
- N 21/264 *utilisant l'émission instantanée de gaz comprimé stocké*
- N 21/268 *avec des moyens pour augmenter la pression du gaz quand le gonflage est déclenché, p. ex. gonflage hybride*
- N 21/272 *utilisant une génération instantanée de gaz (21/268 a priorité)*
- N 21/276 *avec des moyens de mise à l'air libre de la source de fluide de gonflage, p. ex. en cas de surpression*
- D 21/28 (transféré en 21/239, 21/276)
- D 21/32 (couvert par 21/16)

DEUTSCHES PATENTAMT German Patent Office	Class/Subclass: B60R
	Date: 2000-10-25
Rapporteur's Report C 354	

Re: IPC/WG/3

Comments have been received from the EP, FR, GB, JP, RO and SE office.

Comments were invited on

- **the correctness of the wording of group 21/20, in the light of its hierarchically higher groups.**

FR, GB and **JP** support the wording of 21/20 in Ann.25. **RO** and **SE** propose slight moderations. **R** shares the majority view.

- **how the wording of the proposed group 21/205 in Ann. 20 could be clarified.**

JP and **RO, EP** with a slight moderation, support the wording of 21/205 in Ann. 20. **GB** offers a more elaborate wording, **SE** wants to introduce 'inflation fluid source' for 'inflator'. **R** thinks that 'inflator' may well be replaced here by 'inflation fluid source' to have unifies terms of the art in the scheme. **R** prefers the so modified **EP** version to that of **GB**.

- **the correctness of the transfer note for group 21/22.**

All comments approve of the transfer note.

- **whether the hierarchical position of group 21/233 was correct or whether it should become a five-dot group, and , in this context, whether the transfer note for group 21/24 was correct.**

The majority view is to assign 4 dots to group 21/233 and that the transfer note for group 21/24 is correct. **R** joins **FR** in that multiple classification could be allowed as, by the way, is applicable also with the other sub-groups under 21/23.

- **the correctness of the wording of group 21/237.**

There is unanimous consent to this group.

- **whether the proposed group 21/32(Ann.20) should be created and, if that were the case, what wording it should have.**

Views are divided on the creation of this group. **EP** and **RO** prefer the annex 20 version. **FR** and **SE** want to limit triggering of inflation expressly to the non-electric type. **GB** wish to place it immediately after 21/00. **JP** stands by the existing 21/32. **R** thinks that the **FR** and **SE** point of view serves search purposes best.

R's proposal for final discussion is therefore

- C 21/20 . . . Arrangements for storing the inflatable member in its non-use or deflated condition**
 - N 21/205 . . . Inflation fluid source retainers, e.g. reaction canisters; connection of bags, diffusers or inflation fluid sources thereto**
 - D 21/22 (transferred to 21/20, 21/231)**
 - N 21/233 . . . comprising a plurality of individual compartments; comprising two or more bag-like members, one within the other**
 - D 21/24 (transferred to 21/233)**
 - N 21/237 . . . characterised by the way they are folded**
 - C 21/32 . . . Arrangements for non-electric triggering of inflation**
-
-

According

The Canadian Intellectual
Property Office



L'Office de la propriété
intellectuelle du Canada

Project Number: C354

Date: 21 Sept. 2000

Class/Subclass: B60R

Page 1 of 1

The wording of groups 21/20, 21/22, 21/237 appears to be correct.

With respect to group 21/205, we believe the proposed expression “e.g. reaction canisters” to be confusing as the reaction canisters per se would be covered by 21/26. We favour a wording such as “Mounting of air bag modules, e.g. inflator retainers; connection of... or inflators”.

21/233 should be kept a four-dot group as features relating to the multiplicity of the compartments are mostly independent of the features of shape.

It would probably be useless to create a group covering subject matter of 21/32 of Annex 20 as this technology mostly involves the use of electrical means.

Luc Gollain



IPC/C 355/96 Rev.6
ORIGINAL: English/French
DATE: October 27, 2000

WORLD INTELLECTUAL PROPERTY ORGANIZATION
ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
GENEVA/GENÈVE

COMMITTEE OF EXPERTS OF THE IPC UNION
COMITÉ D'EXPERTS DE L'UNION DE L'IPC

IPC REVISION PROJECT FILE/DOSSIER DE PROJET DE RÉVISION DE LA CIB

PROPOSAL BY: PROPOSITION DE :	GB	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :	B 60 T
KIND OF REVISION: TYPE DE RÉVISION :	Creation of subgroups Création de sous-groupes		

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 355/96	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal / Demande de révision avec proposition détaillée		GB	25.01.96
2	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	GB	31.07.96
3	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	RO	-10.96
4	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	DE	09.10.96
5	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.2	EP	12.05.97
6	Rapporteur report / Rapport du rapporteur	Rev.2	GB	13.05.97
7	Comments (re Annex 6) / Observations (réf. annexe 6)	Rev.3	JP	30.05.97
8	Comments (re Annex 6) / Observations (réf. annexe 6)	Rev.3	JP	05.11.97
9	Decision of the Working Group / Décision du groupe de travail	Rev.4	WG	07.99
10	Comments / Observations	Rev.4	EP	10.99
11	Comments / Observations	Rev.4	RO	10.99
12	Comments / Observations	Rev.4	FR	11.99
13	Comments / Observations	Rev.4	SE	11.99
14	Comments / Observations	Rev.4	GB	11.99

RAPPORTEUR : GB **TECHNICAL FIELD/DOMAINE TECHNIQUE :** M

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 355/96	ORIGIN/ ORIGINE	DATE
15	French version of approved amendments / Version française des modifications approuvées	Rev.4	CH	11.99
16	Rapporteur report / Rapport du rapporteur	Rev.4	GB	11.99
17	Rapporteur proposal / Proposition du rapporteur	Rev.4	GB	11.99
18	Decision of the Working Group / Décision du groupe de travail	Rev.5	WG	12.99
19	Comments / Observations	Rev.5	GB	03.00
20	Comments / Observations	Rev.5	EP	03.00
21	Comments / Observations	Rev.5	JP	03.00
22	Comments / Observations	Rev.5	FR	03.00
23	Comments / Observations	Rev.5	CA	03.00
24	Comments / Observations	Rev.5	RO	03.00
25	Comments / Observations	Rev.5	DE	04.00
26	French version of approved amendments / Version française des modifications approuvées	Rev.5	CH	04.00
27	Rapporteur report / Rapport du rapporteur	Rev.5	GB	04.00
28	Decision of the Working Group / Décision du groupe de travail	Rev.6	WG	06.00
29	Comments / Observations	Rev.6	GB	07.00
30	Comments / Observations	Rev.6	GB	09.00
31	Comments / Observations	Rev.6	EP	09.00
32	Comments / Observations	Rev.6	JP	09.00
33	Comments / Observations	Rev.6	RO	09.00
34	Comments / Observations	Rev.6	FR	10.00
35	Rapporteur report / Rapport du rapporteur	Rev.6	GB	10.00
36	Rapporteur proposal / Proposition du rapporteur	Rev.6	GB	10.00
37	Comments / Observations	Rev.6	DE	10.00

EXCERPT FROM DOCUMENT IPC/WG/3/3/
EXTRAIT DU DOCUMENT IPC/WG/3/3

Project C 355 (mechanical) – The Working Group accepted, with gratitude, an offer by the Delegation of the United Kingdom to submit a proposal relating to the use of multi-aspect classification in the area of “brake control” and containing also a study of the modifications of the classification scheme of group B 60 T 8/00, proposed by France (see Annex 22 to the project file), in the light of the cited patent document.

Comments were invited on the proposal to be submitted.

Projet C 355 (mécanique) – Le groupe de travail a accepté avec gratitude l’offre de la délégation du Royaume-Uni de présenter une proposition sur l’utilisation du classement selon plusieurs aspects dans le domaine de la “commande du freinage” contenant aussi une étude des modifications du schéma de classement du groupe B 60 T 8/00 proposées par la France (voir l’annexe 22 du dossier de projet), compte tenu du document de brevet indiqué.

Des observations ont été demandées sur la proposition devant être présentée.

UK Patent Office**Date: 14 July 2000**

Comments on Project C355/96, Subclass B 60 T

Background

At the third meeting of the Revision Working Group, GB offered to submit a proposal relating to the use of multi-aspect classification in the area of **brake control** and containing also a study of the modifications of the classification scheme of group B 60 T 8/00, proposed by France, in the light of the cited patent document cited by them (GB2296790 and equivalents).

Multi-aspect Classification**Background**

B 60 T 8/00 is a very complex and active area giving great problems in accurate classification and efficient retrieval. The view has been expressed in the past during discussions on this project that multi-aspect classification in B 60 T 8/00 would be a good idea. The original proposal, however, did not take this into account and the Revision Working Group thought it was not wise to continue adopting ever more detailed subgroups without consideration of this basic question.

Possible systems

Multiple classification could work by simply by allowing classification in the new 8/17 (*Using electrical or electronic regulation means to control braking*) and also in the remaining subgroups of 8/00 that are not to be deleted and transferred to 8/17, i.e. 8/18 to 8/58, 8/72 to 8/76, 8/86 to 8/96 (Alternative A). The remaining subgroups apart from 8/17 vary as regards their possible relevance for multi-aspect classification particularly as regards whether they will now only take non-electrical/electronic subject matter (e.g. 8/18, 8/24, 8/26, 8/32) or whether they cover differing aspects from those covered in 8/17 (e.g. 8/52, 8/86, 8/88).

As regards the differing aspects (e.g. 8/52, 8/86, 8/88), the present situation is such that para. 70 of the Guide would presumably be followed in case of two groups being applicable to a document such that 8/17 and its subgroups would always be applied, being higher up in the hierarchy of the main group 8/00, but not necessarily in the other subgroups (e.g. 8/52, 8/86, 8/88). This is clearly not desirable in 8/00 if multi-aspect classification is to be useful.

As adopted so far, the project has precedence notes in 8/18, 8/24, 8/26, 8/32 to 8/17 as much of the subject matter of those groups is repeated in 8/17. **An alternative possibility** (Alternative B) would be to unadopt the already adopted group in 8/17 which overlap with 8/18, 8/24, 8/26, 8/32 and restrict classification in 8/17 to strictly electrical/electronic aspects and not vehicle dynamics.

Thus the user would apply any of 8/18, 8/24, 8/26, 8/32 **and also** 8/17 or a subgroup thereof. This would be a logical and elegant way of applying multi-aspect classification but would involve a fundamental reappraisal of classification in 8/00, which may not be worthwhile when considering backfile reclassification.

Evaluation

Rapporteur has taken a random sample of twenty documents from the latest 1000 postings in ECLA 8/00B and subgroups thereof (equivalent to 8/17) to test how a multi-aspect classification could work in B 60 T 8/00.

The results suggested that a single primary classification in 8/00 as adopted so far with the proposed deletions will usually be possible with maybe a supplementary classification in a few cases in subgroups of 8/00 other than 8/17 and its subgroups, such that alternative A is probably not worthwhile. The most frequent case for multiple classification was in 8/17 and 7/20, but being in a different subgroup para. 70 of the Guide would not apply and it would be perfectly legitimate to apply both 8/17 and 7/20.

Only rarely would separate classification of electrical aspects and functional vehicle dynamic aspects (Alternative B) justify a more fundamental review of 8/00 and its subgroups to redefine it completely for multi-aspect classification. It therefore seems that this alternative is a non-starter.

Conclusions

A full multi-aspect classification regime would probably not be worthwhile but it would be appropriate to suspend or relax paragraph 70 of the Guide in this area and to encourage supplementary classifications.

Proposal by France

In their recent comments FR indicate that they do not think that the hierarchy of 8/1767 is right as there are documents such as GB 2 296 790 in which vehicle stability is controlled using brake control without necessarily having an intention to brake the vehicle as a whole. If this is so, then documents such as GB 2 296 790 would not fall within 8/176.

They therefore suggest that the hierarchy of this group could be changed so as to be a two-dot subgroup after 8/176.

Rapporteur-s opinion

The wording of 8/176 as adopted is **A**Brake regulation specially adapted to prevent excessive wheel slip during vehicle deceleration, e.g. ABS@ does not refer to an intention to brake. On the other hand, documents such as GB 2296790 do not necessarily involve either prevention of excessive wheel slip or vehicle deceleration. As such it appears FR may be right that documents such as

GB2296790 do not fall within 8/176 but there seems to be a choice of how to solve the problem:-

- i) alter the hierarchical position of 8/1767 as suggested by FR
- ii consider that such documents involving control of vehicle stability without deceleration to be sufficiently different that they could be separately dealt with, or should simply revert to 8/17, as would presumably be the case with the scheme as adopted.
- iii alter the wording of 8/176 to accommodate such documents, e.g. by deleting **A**during deceleration@

Our GB expert does not think there is a great problem with the present hierarchy and wording as even if only one wheel is braked, then there will be some vehicle deceleration. If the wording as adopted were to remain unaltered, then this explanation should be made clear, if possible, to the non-expert user, but to do so would mean some very long and complex wording. Perhaps this should be left to the informative layer.

Jim Calvert
UK Patent Office

Project C355 B 60 T

Worked examples for multiple classification

This sample was randomly generated from the laest 1000 documents in ECLA B 60 T 8/00B. The classification do not necessarily correspond to correct classifications from the equivalent ECLA but are those applied by Rapporteur in an **A**Ad-hoc@ fashion for multiple classification purposes.

Patent Number	B 60 T IPC	Comments
EP0798615	7/20, 8/1767	Tractor/trailer
US5705746	8/1761	Not primarily brake control
US5934768	8/1761	
US5929532	7/20, 8/17	Not primarily brake control
DE19749015	8/1761, 7/20	Tractor/trailer
WO9737879	8/48, 8/17	There is little disclosure relevant to 8/17 such that it is questionable whether it is worth classifying there at all
US5967629	8/176	

US6035251	8/1767	
US5816670	8/1766, 8/1763	
US5707119	8/1767?	re 8/176 is deceleration involved here? (cf FR query)
US6023649	8/172, 8/1763	
US5740042	8/1769	
DE19701320	8/17	Not primarily brake control
US6059067	8/1767	Not primarily brake control
DE19924021	8/172	
DE19856823	8/17	
US5658057	8/36, 8/1763	Electronic control supplementary
EP0826576	8/1767	re 8/176 is deceleration involved here? (cf FR query)
US5835041	8/171	

Jim Calvert

UK Patent Office Comments	IPC Revision Project C355
Subclass B60T	Date 14 September 2000

General Comments

We support the Rapporteur view of varying the requirements of paragraph 70 of the Guide in this area, to encourage primary classification of the inventive matter in the most appropriate area with supplementary classification of other aspects if necessary. Unless this important area is to be fundamentally reclassified, we think the Rapporteur conclusion is the most sensible and efficient approach.

We support the informative layer approach to clarification of 8/176 and 8/1767. We think that it would be counter-productive to amend the wording of 8/176 to cover all the technical possibilities of 8/1767.

Jim Calvert

Project: C-355 Subclass: B60T

EP takes note with great interest of the analysis done by GB, and fully supports the conclusions. We believe that minor changes of the current classification practice will meet the needs in that technical field.

Adriano Narminio

Japanese Patent Office

21 September 2000

Project:C-355

Subclass:B60T

1. Multi-aspect Classification

We do not think it necessary to apply full multi-aspect classification here.

However, it would be appropriate if 8/18 to 8/96 could be assigned as well whenever necessary, after giving 8/17 to 8/1769.

We propose, therefore, to delete the precedence note (8/17 takes precedence) in and after 8/18.

2. FR Proposal

We find the problem that there is no proper place to classify vehicle brake control not necessarily involving vehicle deceleration, as FR noted.

As some examples of vehicle brake controls not involving vehicle deceleration, there are traction control, vehicle movement control (e.g. preventing understeer or oversteer, yaw control), etc. These technologies do not fall under a category of 8/176 and its subdivisions.

We propose, therefore, to add the following classification:

- 8/178 . . Controlling of vehicle dynamics (e.g. regulating yaw rate)
- 8/1782 . . . regulation when traveling on curve
- 8/1784 . . . regulation when traveling straight
- 8/179 . . Brake regulation specially adapted for preventing excessive wheel slip during the vehicle acceleration, e.g. TRC
- 8/1795 . . Brake assist

**OFICIUL DE STAT PENTRU
INVENTII SI MĂRCI**

RO COMMENTS

Date: 22.09.00

Page: 1 of 1

Project: IPC C355

Class/Subclass B60T

Comments were invited on the proposal submitted by GB.

We agree with GB conclusions regarding the multi-aspect classification.

Regarding the FR proposal we share the opinion that the hierarchy of 8/1767 could be changed so as to become a two-dot subgroup after 8/176.

N.MURARUS

Projet IPC / C 355

Sous-classe **B60T**

Au WG/3/3 des observations ont été demandées sur les commentaires et la proposition présentés par le Royaume Uni le 14 juillet 2000

Dans les exemples présentés par le rapporteur, le classement des inventions au groupe hiérarchiquement supérieur 8/00 fait perdre l'information de classement utile pour la recherche, il nous paraît approprié d'autoriser le classement multiple au moins dans les entrées de même niveau hiérarchique du 8/00 plutôt que de classer au groupe hiérarchiquement supérieur (comme le dit le § 70 du guide)

On pourrait introduire une note après le 8/17 inspirée de celle placée après le B62D 6/00

Note

Lors du classement dans le présent groupe, un classement dans les groupes 8/18, 8/24, 8/32 est également attribué si les autres aspects présentent un intérêt

Comme l'indique le rapporteur, un classement en 8/.. et 7/20 est parfaitement légitime en application du § 70 du guide

A propos du groupe 8/1767 sur la régulation de la stabilité du véhicule

peut se résoudre par la solution (iii) présentée par le rapporteur (annexe 29) qui consiste à supprimer dans le 8/176 "during deceleration" . Cette solution nous paraît simple et la meilleure

UK Patent Office**Date: 20 October 2000**

Rapporteur Report on Project C355, Subclass B60T

Background

When discussing further subdivisions of the original proposal at the third meeting of the Revision Working Group, some delegations were concerned at the wisdom of providing further subdivisions which were not restricted to electronic control and therefore could overlap with 8/18 and following subgroups of 8/00.

GB therefore offered to study the possibilities of multiple classification in B60T 8/00 and to report on the study with further proposal if necessary.

The study was also to include reference to a problem relating to control of vehicle stability where vehicle deceleration was not necessarily involved.

The study appears as Annex 29 to the project file and included a sample of documents in the area. The study concluded that a complete redraft of 8/00 was neither feasible nor necessary and that the best solution would be to suspend or alter the normal IPC classification rules in 8/00 to allow classification in subgroups of both 8/17 and 8/18 when desirable.

As regards the vehicle stability problem, the study concludes that the problem could best be solved by improved wording of the relevant subgroups.

Comments

Comments on the study were received from FR, GB, EP, JP and RO.

All comments support the conclusions of the Rapporteur regarding allowing multiple classification in 8/00 using the existing breakdown as already adopted.

As regards the vehicle stability problem pointed out by FR, JP and RO would like the hierarchy of 8/17 to be altered to allow vehicle stability to be dealt with separately from groups dealing with vehicle deceleration. JP additionally propose a breakdown for vehicle stability subgroups. GB and FR think the problem can be solved by amendment of the wording of 8/176. EP do not comment on this question.

Rapporteur's opinion

There is clear support for Rapporteur's conclusion as regards allowing multiple classification in this area. Rapporteur therefore suggests that the project continue on this basis.

There is a small majority for the separation of vehicle stability from the groups involving vehicle deceleration. Rapporteur suggests the revision working group debate the principle of this separation before attempting to adopt the further subgroups proposed by JP as these have not apparently appeared before.

Rapporteur proposal therefore puts forward a multiple classification regime with a separated group for vehicle dynamics. The proposal also suggests wording of a note relating to multiple classification and omits the precedence references to 8/17 already adopted in subgroups of 8/18. Will the existing Guide para. 70 provisions mean that a subgroup of 8/17 will still always apply for electronic aspects of inventions?

Jim Calvert

UK Patent Office

Date: 20 October 2000

Rapporteur Proposal for Project C355, Subclass B60T

[Note following 8/00]

Note: In 8/00, if the inventive matter relates to electronic control but also includes matter classifiable under 8/18 then classification should take place in both 8/17 and 8/18.

- D 8/1767 · · · Regulation of the stability of the vehicle, e.g. taking into account yaw rate or transverse acceleration in a curve
- N 8/178 · · · Regulation of the stability of the vehicle, e.g. taking into account yaw rate or transverse acceleration in a curve

[The following groups should have the precedence references adopted in Annex 27 removed such that the wording of the groups would not be changed from IPC7]

8/18 · —load distribution

—

8/24 · —negotiating bends

8/26 · —rear wheels

8/32 · responsive to a speed condition

electric —

Jim Calvert

DEUTSCHES PATENTAMT German Patent Office	Class/Subclass B60T
	Date: 2000-10-25
Comments C 355	

Re: IPC/WG/3

As to multi-aspect classification:

We support the R's proposal to suspend §70 of the Guide in the 8/00 area of B60T to allow multiple classification on the same level. For this purpose a note could be inserted after the main group.

As to the proposed group 8/1767:

Deleting 'during vehicle deceleration' in the title of superior group 8/176 would allow to classify in 8/1767 'regulation of the stability of the vehicle' without deceleration of the vehicle as a whole.



IPC/C 366/96 Rev.9
ORIGINAL: English/French
DATE: November 10, 2000

WORLD INTELLECTUAL PROPERTY ORGANIZATION
ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
GENEVA/GENÈVE

COMMITTEE OF EXPERTS OF THE IPC UNION
COMITÉ D'EXPERTS DE L'UNION DE L'IPC

IPC REVISION PROJECT FILE/DOSSIER DE PROJET DE RÉVISION DE LA CIB

PROPOSAL BY: PROPOSITION DE :	DE	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :	E 04 F
KIND OF REVISION: TYPE DE RÉVISION :	Creation of subgroups Création de sous-groupes		

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 366/96	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal / Demande de révision avec proposition détaillée		DE	28.02.96
2	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	GB	31.07.96
3	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	RO	-10.96
4	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	SE	21.10.96
5	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	EP	05.11.96
6	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	FR	-11.96
7	Rapporteur report / Rapport du rapporteur	Rev.2	DE	29.04.97
8	Citation of examples (re PCIPI/SI/XIX/5, page 8) / Citation d'exemples (réf. PCIPI/SI/ XIX/5, page 9)	Rev.3	DE	01.08.97
9	Comments (re PCIPI/SI/XIX/5, page 8) / Observations (réf. PCIPI/SI/ XIX/5, page 9)	Rev.4	EP	25.08.97
10	Comments (re PCIPI/SI/XIX/5, page 8) / Observations (réf. PCIPI/SI/ XIX/5, page 9)	Rev.5	SE	20.10.97
11	Rapporteur report / Rapport du rapporteur	Rev.6	DE	12.11.97
12	Decision of the Working Group / Décision du groupe de travail	Rev.7	WG	07.99

RAPPORTEUR : DE TECHNICAL FIELD/DOMAINE TECHNIQUE :

M

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 366/96	ORIGIN/ ORIGINE	DATE
13	Proposal / Proposition	Rev.7	DE	11.99
14	Decision of the Working Group / Décision du groupe de travail	Rev.8	WG	12.99
15	Comments / Observations	Rev.8	EP	03.00
16	Comments / Observations	Rev.8	JP	03.00
17	Comments / Observations	Rev.8	FR	03.00
18	Comments / Observations	Rev.8	CA	03.00
19	Comments / Observations	Rev.8	SE	03.00
20	Comments / Observations	Rev.8	RO	03.00
21	Rapporteur report / Rapport du rapporteur	Rev.8	DE	05.00
22	Decision of the Working Group / Décision du groupe de travail	Rev.9	WG	06.00
23	Comments / Observations	Rev.9	EP	09.00
24	Comments / Observations	Rev.9	JP	09.00
25	Comments / Observations	Rev.9	RO	09.00
26	Comments / Observations	Rev.9	SE	09.00
27	Comments / Observations	Rev.9	FR	10/00
28	Comments / Observations	Rev.9	CA	11/00
29	Rapporteur report / Rapport du rapporteur	Rev.9	DE	11/00

EXCERPT FROM DOCUMENT IPC/WG/3/3/
EXTRAIT DU DOCUMENT IPC/WG/3/3

Project C 366 (mechanical) – Comments were invited on the rapporteur report (see Annex 21 to the project file).

Projet C 366 (mécanique) – Des observations ont été demandées sur le rapport du rapporteur (voir l'annexe 21 du dossier de projet).

Project: C 366 Subclass: E04F

We support the proposed modifications to the groups 13/07, 13/20 and 13/38. We believe that the group 13/50 and subgroups are needed and that the overlap problem will be diminished by adding the proposed reference after subclass title of F16B.

H. Mende

Japanese Patent Office

21 September 2000

Project:C-366

Subclass:E04F

We support DE's revised proposal.

OFICIUL DE STAT PENTRU
INVENTII SI MARCI

RO COMMENTS

Date: 20.09.2000

Page: of

Project: **C366**

Class/Subclass **E 04 F**

Comments were invited on the Rapporteur report (Annex 21).

We generally sustain R's proposal with some remarks:

C 13/08- R's justification for maintaining this subgroup with the proposed wording was not very clear for us. In our opinion, the term "similar" (or "equal", according to R) is not very precisely directed to the material the elements are made of. We would rather prefer a wording indicating that the elements are characterised by the material.

C 13/16 and **N 13/163** - In our opinion, most of the covers or linings made of fibres or chips are bonded with synthetic resins, so that the documents will be mostly classified in subgroup 13/163. For avoiding an overloading of the classification, we would rather connect the two subgroups, for instance into

C 13/16 ... of fibres or chips, optionally bonded with synthetic resins

C 13/38 - We sustain the proposal for changing the wording of this group.

N 13/40 - In our opinion, when referring to "compound" the indication is directed to the material the elements are made of, and in this case, an entry as 13/20 would be preferable, for instance

N 13/20 ... of compound materials.

But when referring to layered elements, e.g. of the sandwich type, these would rather belong to the specially structured elements.

In the actual wording we would keep the group as 13/40, mostly because of the example.

N 13/42 - We are in favour of adopting it.

N 13/50 and subgroups thereof. We are in favour of creating them with the addition of a reference after the subclass title F16B.

BUCURA IONESCU

Swedish Patent and Registration Office

IPC Revision Project C 366, subclass E04F

September 27th, 2000

COMMENTS (relating to Annexes 13, 21 and 22)

Comments were invited on the rapporteur report:

13/07	A13	+	
13/07	A21	-	We do not think the addition of the words " <i>relatively flat</i> " is an improvement
13/08	A13	x	- - - " <i>a plurality</i> of similar elements" would be better.
13/10-13/12	A13	+	
13/14, 13/143	A13	x	In many cases it is of no importance whether the elements are of stone or stone like material or of glass. We would prefer to keep the existing title of 13/13 and give it an extra dot. Then 13/14 could be made a four-dot group with the title " <i>characterised by the use of glass elements</i> ". It could be useful to add the example " <i>, e.g. ceramics</i> " to the first part of the 13/13 title.
13/16	A13	+	
13/163	A13	x	The title should make it clear whether it is the fibres or chips that are bonded or the elements. However, will there be any documents left in 13/163 – aren't most fibre boards etc bonded with synthetic resins?
13/18	A13	+	
13/20	A20	x	<i>of</i> compound or layered elements, e.g. - - -. We think this group should take precedence over the other subgroups of 13/07.
13/30-13/32	A13	+	
13/34	A13	x	- - - e.g. heating tubes <i>or</i> lighting <i>devices</i>
13/36	A13	x	What is " <i>rebouncing</i> "?
13/38	A20	+	
13/40	A13	-	See 13/20!
13/42	A13	x	This should be a two-dot group, numbered 13/46 and titled " <i>of elements attached to a common web, support plate or grid</i> ", since the elements themselves are not specially adapted. This group should probably also take precedence over 13/08.
13/44	A13	-	Coverings or linings made of webs, e.g. of fabrics or wallpaper are referred out by the existing reference in 13/00. In view of this the group is clearly not appropriate. We apologise for the confusion caused by the misnumbering of this group in our last comments.

13/50, 13/54-13/58, 13/62	A13	-	<p>We are still not in favour of these groups. Our experts say that the new groups would not improve search efficiency. The new groups would pull documents from F16B, making that subclass incomplete. The groups in F16B corresponding to the new groups would still almost always need to be searched.</p> <p>If all the groups are introduced they should be arranged in a more logic order. The words "<i>for buildings</i>" should be added to the end of the reference in F16B.</p>
13/52	A13	x	Should be a two-dot group " <i>Anchors, support angles or consoles specially adapted for covering or lining elements</i> ".
13/60	A13	x	Should be a two-dot group " <i>Adjustment devices specially adapted for covering or lining elements</i> " and take precedence over 13/52.

Anders Bruun

Projet IPC / C 366
Sous-classe E04F

Au WG 3/3 des observations ont été demandées sur le rapport du rapporteur (annexe 21)

- 13/07 l'ajout de "relatively flat" au libellé ne nous paraît pas apporter d'intérêt
- 13/38 le libellé modifié nous convient mieux
- 13/40 déplacé en 7/20 nous semble plus logique
- à notre avis, la matière relative aux entrées 13/54 à 13/58 est du domaine du F16B

Dans les exemples donnés par le rapporteur, le document US 3 662644 peut se classer en F16B 13/06

The Canadian Intellectual
Property Office



L'Office de la propriété
intellectuelle du Canada

Project Number: C366

Date: 21 Sept. 2000

Class/Subclass: E04F

Page 1 of 1

Comments re: Annex 21

In elements with a layered structure, we see a structural relationship between the layers as well as a material aspect. However, **CA** would prefer to see the group 13/40 created rather than 13/20 since 13/30, the hierarchically superior group to 13/40, explicitly mentions structure (structured).

Gerry Guzzo/ John Chiarelli

DEUTSCHES PATENT- UND MARKENAMT German Patent and Trademark Office	Class/Subclass: B65G
	Date: 2000-11-03
Fourth Rapporteur Report C 366	

Re: IPC/WG/3

Introduction

Comments were invited on the 3rd R-report(see Ann. 21 to the project file).

Comments

Comments were received by **EP, FR, JP, RO and SE**.

EP and **JP** fully support the suggestions by the R.

FR want to modify 13/07 and to place 13/40 elsewhere in the scheme. They don't agree to groups 13/54, 13/56 and 13/58; F16B were the right place for their contents.

RO agree in general. They prefer 13/08 rather worded according to the material of covering or lining elements. They propose only one modified group 13/16 because of document concentration in 13/163, if created. Concerning 13/40 **RO** could agree, however in view of a sole 'compound' aspect a group 13/20 under 13/08 were appropriate.

SE apart from several other alterations argument that original 13/14 should be maintained and a subgroup for 'glass' be added in modified form. They share the concern that 13/163 would attract the bulk of documents. They disagree to 13/44 because of the reference to D03D---D21H after the title of 13/00. **SE** are not in favour of 13/50, 13/54 to 13/58 and 13/62 because of overlap with Groups in F16B.

Rapporteur's recommendation

Group 13/08 should not be restricted to material features for the plural arrangement of these covering or lining elements is of general importance, whereas the material they consist of is often interchangeable

As to the example in 13/36 it should probably better read 'rebound', see R's proposal below.

13/40 could be altered to better fit the title of 13/30 in the sense of 'composed of several connected layers or parts, e.g. sandwich panels'. A note following 13/08 giving precedence to 13/40 would serve clarity. R prefers a group like this under 13/30 as materials of the layers or parts in most cases are of less importance than the way they are arranged and connected with each other.

Elements in 13/42 are not specially adapted or structured or shaped in the sense of 13/30. R, however, feels that the aspect of the plurality of the proper covering or lining elements justifies a position under 13/08 as group 13/20, see R'proposal below.

Concerning 13/44 R supports a group of this kind and refers to documents like GB 20 51 914 A. Documents like this refer to more or less stretched attachment of covering or lining elements to the surface of a wall etc. without having contact with the latter on their major part. R thinks that such subject matter is not referred out by the reference in 13/00. Perhaps a wording using 'stretched' and how the stretched position is maintained would better serve the purpose of this group.

13/44 . . Stretched foil- or web-like covering or lining elements attached with edge gripping devices

Finally R does not share the concerns regarding groups 13/50 ff. According to DE experts employing private groups along the lines of the proposed 13/50-scheme interference with F16B is small compared to the gain in search efficiency. R, therefore, advises the WG to adopt these groups and add a reference in the list after the sub-class title of F16B.

R is hopeful to have duly paid regard to the remaining items in the following revised proposal:

- N 13/07 . composed of covering or lining elements; Sub-structures therefor; Fastening means therefor**
- C 13/08 . . of a plurality of similar covering or lining elements (13/30 takes precedence)**
- N Note Group 13/20 takes precedence over groups 13/10 to 13/18.**
- C 13/10 add one dot**
- C 13/12 add one dot**
- C 13/14 . . . of stone or stone-like materials, e.g. ceramics; of glass**
- N 13/143 characterised by the use of glass elements**
- C 13/16 . . . of fibres or chips, e.g. bonded with synthetic resins**
- C 13/18 add one dot**
- N 13/20 . . . of elements attached to a common web, support plate or grid**
- N 13/30 . . of specially adapted, structured or shaped covering or lining elements**
- N 13/32 . . . for particular building parts or components, e.g. corners, columns**
- N 13/34 . . . for housing technical equipment, e.g. heating tubes or lighting devices**
- N 13/36 . . . for protection or insulation purposes, e.g. with noise reducing layers, with rebound surfaces**

- N 13/38 . . . characterised by the joints between neighbouring elements, e.g. with joint fillings, with groove-and-tongue connections
- N 13/40 . . . composed of several layers or parts, e.g. sandwich panels (13/36 takes precedence)
- N 13/44 . . . Stretched foil- or web-like elements attached with edge gripping devices
- N 13/50 . . . Fastening means specially adapted for covering or lining elements
- N 13/52 . . . Anchors, support angles or consoles
- N 13/54 . . . Screw-like fasteners (13/60 takes precedence)
- N 13/56 . . . Hidden fastening means on the rear of the covering or lining elements (13/62 takes precedence)
- N 13/58 . . . Edge engaging fastening means, e.g. clamps, clips, border profiles
- N 13/60 . . . Adjustment devices
- N 13/62 . . . Magnetic fastening means

Additional reference in the list after the subclass title of F16B:

- N E04F 13/50 Fastening means specially adapted for covering or lining elements for buildings



IPC/C 367/96 Rev.4
ORIGINAL: English/French
DATE: November 10, 2000

WORLD INTELLECTUAL PROPERTY ORGANIZATION
ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
GENEVA/GENÈVE

COMMITTEE OF EXPERTS OF THE IPC UNION
COMITÉ D'EXPERTS DE L'UNION DE L'IPC

IPC REVISION PROJECT FILE/DOSSIER DE PROJET DE RÉVISION DE LA CIB

PROPOSAL BY: PROPOSITION DE :	DE	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :	E 04 G
KIND OF REVISION: TYPE DE RÉVISION :	Creation of subgroups Création de sous-groupes		

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 367/96	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal / Demande de révision avec proposition détaillée		DE	16.02.96
2	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	GB	31.07.96
3	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	RO	-10.96
4	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	SE	22.10.96
5	Comments with counter-proposal (re Annex 1) / Observations avec contre-proposition (réf. annexe 1)	Rev.1	EP	05.11.96
6	Rapporteur report / Rapport du rapporteur	Rev.2	DE	15.05.97
7	Decision of the Working Group / Décision du groupe de travail	Rev.3	WG	12.99
8	Comments / Observations	Rev.3	EP	03.00
9	Comments / Observations	Rev.3	JP	03.00
10	Comments / Observations	Rev.3	FR	03.00
11	Comments / Observations	Rev.3	CA	03.00
12	Comments / Observations	Rev.3	SE	03.00
13	Comments / Observations	Rev.3	RO	03.00

RAPPORTEUR : DE TECHNICAL FIELD/DOMAINE TECHNIQUE : M

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 367/96	ORIGIN/ ORIGINE	DATE
14	Rapporteur report / Rapport du rapporteur	Rev.3	DE	06.00
15	Decision of the Working Group / Décision du groupe de travail	Rev.4	WG	06.00
16	Comments / Observations	Rev.4	EP	09.00
17	Comments / Observations	Rev.4	JP	09.00
18	Comments / Observations	Rev.4	RO	09.00
19	Rapporteur report / Rapport du rapporteur	Rev.4	DE	11/00

EXCERPT FROM DOCUMENT IPC/WG/3/3/
EXTRAIT DU DOCUMENT IPC/WG/3/3

Project C 367 (mechanical) – Comments were invited on the rapporteur report (see Annex 14 to the project file).

Projet C 367 (mécanique) – Des observations ont été demandées sur le rapport du rapporteur (voir l'annexe 14 du dossier de projet).

Project: C 367 Subclass: E04G

Comments were invited on Rapporteur's proposal (see Annex 14 to the project file).

Although the new proposal has taken into account most of the suggestions made during the last round of comments we believe that some of the subgroup titles have to be further improved:

- 1/141 We are still not in favour of the creation of this group. The example documents cited by the rapporteur show special ladders which can not be considered as scaffolding elements, as we would expect from the wording of this new group. The fact, that five of these six examples are not classified in E04G is a further indication that this subgroup should not be created. In addition there is a proper existing group 1/30 for devices which are on the borderline between scaffolding and ladders.
- 1/23 The scope of all subgroups of 1/18 includes the feature "adjustable in height". Therefore we propose the term "adjustably" be deleted. We believe that the number of documents for scaffolding resting on the ground using cables is very small. If the group will be created an informative reference to 3/20 would be useful for the IPC- user.
- 1/26 We would prefer the SE-proposal to transfer this subject matter to a subgroup of 5/00 and not create a new main group 6/00. The title of main group 5/00 has only to be extended by adding ' or accessories':
 5/00 Component parts *or accessories* for workman's scaffolds
- 1/36 is not a new group - N should be replaced by C. There appears to be some overlap with 'ladders attachable to structures'. A reference would be useful here.
- 3/13 (now 3/25) We would like to see a few examples before introducing a group for scaffolds specially adapted to 'chimney-like buildings'
- 7/32 If we introduce a subgroup for connections 'with wedges' we would like to extend the scheme with an other subgroup for positive engagement connections, like hooks or pins.
 7/33 . . . *with coupling elements using positive engagement, e.g. hooks or pins*

Modified proposal

- | | | |
|---|------|------------------------------------------------------------------------------------------|
| C | 1/14 | . Comprising essentially pre-assembled two-dimensional frame-like elements, e.g. --- |
| C | 1/15 | ---(boards or planks therefor 5/08) |
| D | 1/16 | (transferred to 1/17, 5/20) |
| N | 1/17 | . Comprising essentially pre-assembled three-dimensional elements, e.g. cubic elements |
| D | 1/26 | (transferred to 5/12) |
| C | 1/36 | . Scaffolds supported partly by the building (ladders attachable to structures E06C1/34) |

D	3/02	(transferred to 3/20 to 3/34)
D	3/04	(transferred to 3/20 to 3/34)
D	3/06	(covered by 3/20)
D	3/08	(covered by 3/22)
D	3/10	(transferred to 3/20 to 3/34)
D	3/12	(covered by 3/26)
D	3/14	(transferred to 3/20 to 3/34)
D	3/16	(transferred to 3/20 to 3/34)
N	3/20	. supported by cantilevers or other provisions mounted in openings in the building, e.g. window openings (3/28 takes precedence)
N	3/22	. supported by the wall (3/28 takes precedence; wall-anchors for supporting scaffolds 5/04; consoles 5/06)
N	3/24	. supported by the roof or the ceiling (3/28 takes precedence)
N	3/25	. specially adapted for particular parts of buildings or for buildings of particular shape, e.g. chimney stacks or pylons (3/28 takes precedence)
N	3/26	. . specially adapted for working on roofs
N	3/28	. movable or shiftable scaffolds with provisions for positioning the platform at different vertical or horizontal positions
N	3/30	. . hanging on flexible supporting-elements, e.g. cables
N	3/32	. . . Hoisting devices or safety devices against dropping, provided on the suspended scaffold
N	3/34	. . Supporting-structures provided on the roof
C	5/00	Component parts <i>or accessories</i> for workman's scaffolds
N	5/12	. Steps or ladders specially adapted for ascending the scaffold
N	5/14	. Canopies
N	5/16	. Railings
N	5/20	. Struts or stiffening rods, e.g. diagonal rods
N	7/32	. . with coupling elements using wedges
N	7/33	. . with coupling elements using positive engagement, e.g. hooks or pins
N	7/34	. . for connecting bars or members which are parallel or in end-to-end relation
N	7/36	. . for connecting crossing or intersecting bars or members

H. Mende

Japanese Patent Office

21 September 2000

Project:C-367

Subclass:E04G

We agree with Rapporteur's proposal.

OFICIUL DE STAT PENTRU
INVENTII SI MARCI

RO COMMENTS

Date: 20.09.2000
Page: of

Project: **C367**

Class/Subclass **E 04 G**

Comments were invited on the Rapporteurs's proposal.

We generally sustain R's proposal, with some remarks:

-the wording of N 1/23 should be

N 1/23 .. **Scaffolding** with platforms adjustably suspended ---- ,

in order to be consistent with the title of E04G and of the group 1/00. But in our opinion since this new subgroup and the old subgroups 1/20 and 1/22 are two dots groups, a revision of their wording, by eliminating the word "scaffolding" would be necessary.

The English version contains also other inconsistencies relative to the term "scaffolding". It is used sometimes as "scaffolding" and some other times as "scaffolds" - see for instance the title of sub-group 1/36 or the title of group 3/00. We would prefer to have a single term, as for instance in the French version "echafaudages", for reasons of translation.

- N 1/36 . Scaffolds supported partly by the building

It is not so clear for us whether this is in fact the new proposed 1/38 . Considering it as being 1/38, is an overlap with ladder like elements (of subgroup 1/141, which are also partly supported by the building) possible?

- by creating the new main group **6/00** Auxiliary structures for scaffolding, e.g.---, the subgroup 1/32 has to be accordingly transferred and it will become a one dot subgroup. The transfer of 1/28 subgroup would be also necessary in this case. We are not in favour of creating this new main group, and would rather maintain the existent 1/26. Consequently, the new proposed one dot sub-groups N 6/04 and N 6/06 could become two dots subgroups of 1/26.

- **N 6/02** In our opinion there will be overlapping problems with E06C and we find this entry not necessary.

DEUTSCHES PATENT- UND MARKENAMT German Patent and Trademark Office	Class/Subclass: E04G
	Date: 2000-11-10
Third Rapporteur Report C 367	

Re: IPC/WG/3

Comments were invited on the 2nd^t R-report (Ann. 14 to the project file).

Comments have been received by **EP**, **JP** and **RO**. R is grateful for the summarising proposal by **EP** and for the suggestions by **RO**. R is in the position to recommend **EP**'s modified proposal dated 7.09.00 as a working paper, with the following remarks:

'scaffolding' is better replaced by 'scaffolds' at least in the range of main group 1/00. It should be cancelled in sub-groups 1/20 and 1/22.

Existing group 1/36 is maintained.

N 1/38 . Scaffolds suspended partly by the building(ladders attachable to structures E06C 1/34)

Is additional. Examples for this group are US 53 01 770, US 47 53 321, US 44 07 392, US 40 58 184.

Originally proposed group 1/23 should not be created for lack of a sufficient amount of documents.

Eod



IPC/C 369/96 Rev.7
ORIGINAL: English/French
DATE: November 10, 2000

WORLD INTELLECTUAL PROPERTY ORGANIZATION
ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
GENEVA/GENÈVE

COMMITTEE OF EXPERTS OF THE IPC UNION
COMITÉ D'EXPERTS DE L'UNION DE L'IPC

IPC REVISION PROJECT FILE/DOSSIER DE PROJET DE RÉVISION DE LA CIB

PROPOSAL BY: PROPOSITION DE :	EP	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :	F 04 C
KIND OF REVISION: TYPE DE RÉVISION :	Creation of subgroups Création de sous-groupes		

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 369/96	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal / Demande de révision avec proposition détaillée		EP	30.01.96
2	Revision request with detailed proposal / Demande de révision avec proposition détaillée		EP	30.01.96
3	Comments (re Annexes 1, 2) / Observations (réf. annexes 1, 2)	Rev.1	GB	31.07.96
4	Comments (re Annexes 1, 2) / Observations (réf. annexes 1, 2)	Rev.1	RO	-10.96
5	Comments (re Annexes 1, 2, 3) / Observations (réf. annexes 1, 2, 3)	Rev.1	SE	21.10.96
6	Comments with counter-proposal (re Annexes 1, 2) / Observations avec contre-proposition (réf. annexes 1,2)	Rev.1	DE	15.10.96
7	Comments (re Annexes 1, 2) / Observations (réf. annexes 1, 2)	Rev.1	CA	18.10.96
8	Comments (re Annexes 1-7) / Observations (réf. annexes 1-7)	Rev.2	EP	01.03.97
9	Rapporteur report / Rapport du rapporteur	Rev.3	EP	15.04.97

RAPPORTEUR : EP TECHNICAL FIELD/DOMAINE TECHNIQUE : M

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 369/96	ORIGIN/ ORIGINE	DATE
10	Comments with counter-proposal (re Annex 1) / Observations avec contre-proposition (réf. annexe 1)	Rev.4	JP	30.10.97
11	Decision of the Working Group / Décision du groupe de travail	Rev.5	WG	07.99
12	Comments / Observations	Rev.5	EP	10.99
13	Comments / Observations	Rev.5	CA	10.99
14	Comments / Observations	Rev.5	RO	10.99
15	Comments / Observations	Rev.5	DE	10.99
16	Comments / Observations	Rev.5	GB	11.99
17	Comments / Observations	Rev.5	SE	11.99
18	Rapporteur report / Rapport du rapporteur	Rev.5	EP	11.99
19	Comments / Observations	Rev.6	JP	03.00
20	Comments / Observations	Rev.6	DE	03.00
21	Decision of the Working Group / Décision du groupe de travail	Rev.7	WG	06.00
22	Comments / Observations	Rev.7	EP	09.00
23	Comments / Observations	Rev.7	GB	09.00
24	Comments / Observations	Rev.7	RO	09.00
25	Comments / Observations	Rev.7	SE	09.00
26	Rapporteur report / Rapport du rapporteur	Rev.7	EP	10/00
27	Comments / Observations	Rev.7	CA	11/00

EXCERPT FROM DOCUMENT IPC/WG/3/3/
EXTRAIT DU DOCUMENT IPC/WG/3/3

Project C 369 (mechanical) – Comments were invited on the rapporteur report, in the light of the comments submitted by Japan and Germany (see Annexes 18, 19 and 20 to the project file, respectively).

Projet C 369 (mécanique) – Des observations ont été demandées sur le rapport du rapporteur, compte tenu des observations présentées par le Japon et l'Allemagne (voir respectivement les annexes 18, 19 et 20 du dossier de projet).

Project: C 369 Subclass: F04C, F01C

The repeated proposal of the JP-office (Annex 10, 19) to change the hierarchical position of the groups F04C14/12, F04C28/12 and F01C20/12 stands in contradiction to the CA-comment (Annex 13) which supports the relative broad wording of these subgroups to provide a group for a change in eccentricity in any element whether or not it affects the volume of the working chamber. The JP proposal and the CA comment are alternative possibilities.

We cannot support the proposal of the DE-office to arrange group 28/32 'Control during stopping, idling or no-load operation' under 28/06 'Control characterised by varying the rotational speed' because there are documents which have no relation with speed control, e.g. a control system which releases pressure during motor start up (see US4815950, US4336001).

We have no objections to the modification of subgroup title 28/14 (corresponding 14/14, F01C20/14) and a further break down in more subgroups as proposed by DE. It could be justified by the size of group 28/14.

In group F01C28/20 (corresponding 14/20, F01C20/20) "and" should be replaced by "or". We believe that introduction of "control" before valves is superfluous for these groups concerning control.

We have doubts if the hierarchical position of the new group '*Diagnosis systems*' in the DE-proposal is correct and if this group is needed. This group could be a subgroup of "Safety measures or arrangements".

H. Mende

UK Patent Office Comments	IPC Revision Project C369
Subclass F04C	Date 14 September 2000

General Comments

We generally support the EP proposal of Annex 18 and the comments below relate to the further comments of JP and DE.

Subgroup	Opinion	Comments
F04C 14/12, 28/12, F01C 20/12 (JP)	-	We think the hierarchy is OK as it is as long as references such as that after 28/08 in Annex 18, for example, define the boundaries/precedences.
28/14, 16 etc.(DE)	-	We don't think that this is wise as classification may be attempted here merely on the basis of the presence of slides/rotary slides/lift valves.
28/20(DE)	-	We think this makes the wording less clear. Is this an attempt to distinguish from safety measures using such valves? If so we think such subject matter is unlikely.
28/22 etc.	-	We don't think there is justification in terms of numbers of documents for these further subdivisions.
28/24(DE)	-	Lift valves could overlap with the proposed subdivision of 28/16
28/30	-	We think "arrangements" is clearer given the definition of this term in the Guide.
28/34	-	We support this if there are sufficient documents, but we would prefer "Diagnostic systems"

Jim Calvert

**OFICIUL DE STAT PENTRU
INVENTII SI MĂRCI**

RO COMMENTS

Date: 22.09.00

Page: of

Project: IPC C369

Class/Subclass F04B

Comments were invited on the Rapporteur's Report, in the light of the comments submitted by DE and JP (Annex 18, 19 20 to the project file).

We sustain the modification of the scheme from the Annex 20 as DE proposed.

We agree with the split of the subgroup F04C 28/16 into the group 28/16 for slides and the group 28/.. for rotary slides or rotary slides valves.

We also agree with the fact that the wording of F04C 28/00, 28/14 and 28/30 should be amended.

N.MURARUS

Swedish Patent and Registration Office

IPC Revision Project C 369, subclass F04C

September 27th, 1999

COMMENTS (relating to Annex 21)

Comments were invited on the rapporteur report, in the light of the comments submitted by Japan and Germany (Annexes 18, 19 and 20):

We only comment on F04C 14/00 and 15/00, since the proposals are substantially identical:

14/00	A18	x	14/30 uses " <i>safety arrangements</i> ", which we think is a better wording.
14/00-14/10	A18	+	
14/12	A18, A19		We prefer the solution proposed by JP. The wording of the A18 version is rather obscure – " <i>an element in respect to another element</i> " could mean almost anything.
14/14	A18, A20		We prefer the wording of A18 – "time" is a difficult concept.
14/16 and subgroups	A18, A20		We are not opposed to subdivision of 14/16, but the " <i>using rotary slides</i> " group should have three dots.
14/20	A18, A20		We do not think the A20 wording is an improvement.
14/22 and subgroups			We are not opposed to further subdivision, but the hierarchical relationship of the groups should be sorted out – see below!
14/24	A18	x	Is the hierarchical position correct? In earlier proposals (and in ECLA) this is a subgroup to 14/22.
14/30	A18, A20		We prefer " <i>arrangements</i> ".
14/32	A18, A20		We agree with DE that 14/32 should come before 14/30, perhaps best placed before 14/06. We do not think the A20 wording is an improvement.
14/34	A20	x	We are not opposed to the introduction of this group, if there are enough documents. The Guide, paragraph 99, defines the word " <i>monitoring</i> " – we think this word should be used here. 14/34 should have two dots.
15/00	A18	x	- - - 2/00 to 14/00
15/02	A18	x	Since the coverage of the group is completely changed it <u>must</u> be renumbered. There will be no overlap at all between the coverage of the old and the new group.

Anders Bruun

Project: C 369 Subclass: F04C, F01C

This project originates from an EPO proposal to introduce parallel subdivisions in subclass F04C for control related aspects of machines or pumps and an analogous subdivision in the subgroup F21C21/16 relating to similar matter. During the last meeting the working group asked for comments on the RR (Annex 18) in the light of the recent comments from Japan and Germany (Annex 19,20).

Comments have been received from GB and EP.

Remarks on JP-comment asking for change of hierarchy for group F04C14/12,28/12 and F01C20/12:

GB think that the hierarchy for these groups is OK as long as references define the boundaries or precedencies. CA (Annex 13) prefers the broader scope of the scheme proposed in Annex 18.

Remarks on DE-comment

F04C28/06

EP cannot support the proposal of the DE to arrange group 28/32 'Control during stopping, idling or no-load operation' under 28/06 'Control characterised by varying the rotational speed' because there are documents which have no relation with speed control, e.g. a control system which releases pressure during motor start up.

F04C28/14 . . . 28/16

GB doesn't approve this further break down and is afraid that classification will be attempted merely on the basis of presence of slides, rotary slides or lift valves.

EP has no objection to the modification of subgroup title and introduction of subgroups.

F04C28/20

GB and EP think that the introduction of "control" in this subgroup title is no improvement. The "and" should be replaced by "or".

F04C28/24

GB is afraid that the modified title could create overlap with the proposed subdivision of 28/16.

F04C28/30

GB and EP think the term "arrangement" is clearer taking into account the clear definition in the IPC Guide.

F04C28/34

GB supports this new group if sufficient documents are available. EP has doubts if this group should be a subgroup of "Safety arrangements" and if this group is really needed. A fulltext search in F04C revealed only 11 documents with this keyword.

Rapporteur's suggestions

Rapporteur concludes that there is only limited support for modifying the title of 28/14 and an introduction of a new group for diagnostic systems. In consideration of the low number of documents expected for this group a two part title for 28/30 could be a solution:

N 28/30 . Safety arrangements; Diagnostic systems

Rapporteur has therefor produced a further modified proposal based on Annex 18 but amended to take into account the discussed comments. Rapporteur hopes that the proposal presented below offers a workable base for further discussion and final adoption.

F04C

- | | | |
|---|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N | 14/00 | Control of, or safety measures for, machines, pumps or pumping installations |
| N | 14/02 | . of several machines or engines connected in series or in parallel |
| N | 14/04 | . specially adapted for reversible machines or engines |
| N | 14/06 | . characterised by varying the rotational speed |
| N | 14/08 | . characterised by varying the volume of the working chamber (by changing eccentricity of an element 14/12; by changing the position of inlet or outlet openings 14/14) |
| N | 14/10 | . . by changing the form of the inner or outer contour of the working chamber |
| N | 14/12 | . characterised by changing the eccentricity of an element with respect to another element |
| N | 14/14 | . characterised by varying the time of beginning or ending of the compression, e.g. by changing the positions of the inlet or outlet openings with respect to the working chambers |
| N | 14/16 | . . using adjustable sliding or rotating valves |
| N | 14/20 | . characterised by using valves regulating pressure or flow rate, e.g. discharge valves |
| N | 14/22 | . . using a bypass channel |
| N | 14/24 | . . being obtained by displacing a lateral sealing face |
| N | 14/30 | . Safety arrangements; Diagnostic systems |
| N | 14/32 | . during stopping or starting, idling or no-load operation |
| C | 15/00 | Component parts, details or accessories of machines, pumps or pumping installations, not provided for in, or of interest apart from, groups 2/00 to 13/00 |
| C | 15/02 | . Working fluid admission or discharge |
| D | 15/04 | (transferred to 14/00) |
| N | 28/00 | Control of, or safety measures for, pumps or pumping installations |
| N | 28/02 | . of several machines or engines connected in series or in parallel |
| N | 28/04 | . specially adapted for reversible machines or engines |
| N | 28/06 | . characterised by varying the rotational speed |
| N | 28/08 | . characterised by varying the volume of the working chamber (by changing eccentricity of an element 28/12; by changing the position of inlet or outlet openings 28/14) |
| N | 28/10 | . . by changing the form of the inner or outer contour of the working chamber |
| N | 28/12 | . characterised by changing the eccentricity of an element with respect to another element |

- N 28/14 . **characterised by varying the time of beginning or ending of the compression, e.g. by** changing the positions of the inlet or outlet openings with respect to the working chambers
 - N 28/16 . . using adjustable sliding or rotating valves
 - N 28/20 . characterised by using valves regulating pressure **or** flow rate, e.g. discharge valves
 - N 28/22 . . using a bypass channel
 - N 28/24 . . being obtained by displacing a lateral sealing face
 - N 28/30 . Safety arrangements; **Diagnostic systems**
 - N 28/32 . during stopping, starting, idling or no-load operation

 - C 29/08 . Working fluid admission or discharge
 - D 29/10 (transferred to 28/00)
-

F01C

- N 20/00 Control of, or safety measures for, machines, pumps or pumping installations
- N 20/02 . of several machines or engines connected in series or in parallel
- N 20/04 . specially adapted for reversible machines or engines
- N 20/06 . characterised by varying the rotational speed
- N 20/08 . characterised by varying the volume of the working chamber (by changing eccentricity of an element 20/12; by changing the position of inlet or outlet openings 20/14)
- N 20/10 . . by changing the form of the inner or outer contour of the working chamber
- N 20/12 . characterised by changing the eccentricity of an element with respect to another element
- N 20/14 . **characterised by varying the time of beginning or ending of the compression, e.g. by** changing the positions of the inlet or outlet openings with respect to the working chambers
- N 20/16 . . using adjustable sliding or rotating valves
- N 20/20 . characterised by using valves regulating pressure **or** flow rate, e.g. discharge valves
- N 20/22 . . using a bypass channel
- N 20/24 . . being obtained by displacing a lateral sealing face
- N 20/30 . Safety arrangements; **Diagnostic systems**
- N 20/32 . during stopping, starting, idling or no-load operation

- C 21/12 . Working fluid admission or discharge
- D 21/16 (transferred to 20/00)

H. Mende

The Canadian Intellectual
Property Office



L'Office de la propriété
intellectuelle du Canada

Project Number: C369

Date: 21 Sept. 2000

Class/Subclass: F04C

Page 1 of 1

As expressed by JP in Annex 19, variable working chambers are often controlled by changing the eccentricity of elements. There probably still should be a subgroup covering changes in eccentricity not affecting the working chambers. One solution would be to change F04C 14/12, F04C 28/12, and F01C 20/12 to 2-dot subgroups to which precedence would be given over other new 1-dot subgroups providing for changing the eccentricity of elements affecting other functional aspects.

We do not have any objection to DE comments.

Luc Gollain



IPC/C 388/97 Rev.2
ORIGINAL: English/French
DATE: November 10, 2000

WORLD INTELLECTUAL PROPERTY ORGANIZATION
ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
GENEVA/GENÈVE

COMMITTEE OF EXPERTS OF THE IPC UNION
COMITÉ D'EXPERTS DE L'UNION DE L'IPC

IPC REVISION PROJECT FILE/DOSSIER DE PROJET DE RÉVISION DE LA CIB

PROPOSAL BY: PROPOSITION DE :	DE	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :	B 60 K
KIND OF REVISION: TYPE DE RÉVISION :	Creation of subgroups Création de sous-groupes		

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 388/97	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal / Demande de révision avec proposition détaillée		DE	18.02.97
2	Comments / Observations		CA	07.98
3	Comments / Observations		US	07.98
4	Comments / Observations		FR	07.98
5	Comments / Observations		GB	07.98
6	Comments / Observations		JP	07.98
7	Rapporteur report / Rapport du rapporteur		DE	05.99
8	Comments / Observations	Rev.1	JP	05.99
9	Decision of the Working Group / Décision du groupe de travail	Rev.2	WG	06.00
10	Comments / Observations	Rev.2	EP	09.00
11	Comments / Observations	Rev.2	JP	09.00
12	Comments / Observations	Rev.2	RO	09.00
13	Comments / Observations	Rev.2	CA	11/00
14	Rapporteur report / Rapport du rapporteur	Rev.2	DE	11/00

RAPPORTEUR : DE TECHNICAL FIELD/DOMAINE TECHNIQUE : M

EXCERPT FROM DOCUMENT IPC/WG/3/3/
EXTRAIT DU DOCUMENT IPC/WG/3/3

Project C 388 (mechanical) – Comments were invited on the rapporteur report, in the light of the comments submitted by Japan (see Annexes 7 and 8 to the project file, respectively).

Projet C 388 (mécanique) – Des observations ont été demandées sur le rapport du rapporteur, compte tenu des observations présentées par le Japon (voir respectivement les annexes 7 et 8 du dossier de projet).

Project: C-388 Subclass: B60K

EPO agrees with the position of GB (Annex 5), and sees little benefit in broadening the scope of B60K41 to include "vehicle subunits". On the contrary, EPO is of the opinion that such a modification could create conflicts within the IPC, could make the IPC more difficult to apply consistently, and could dilute technical expertise.

EPO does however agree that:

- a) some extra IPC entries are necessary to cater for conjoint control of vehicle subunits
- b) that the philosophy behind B60K41 needs to be clarified.

Regarding new entries in the IPC, we point out that certain revisions have already been accepted for IPC 8, which go some way to meeting this requirement:

B60G17/0195 Resilient suspensions... characterised by regulation being combined with other control systems...

B60R16/023 (Electrical circuits) for transmission of signals between vehicle parts or subsystems

We see a potential conflict with at least these entries if B60K41 is extended in the way R proposes.

We propose that similar entries in the field of steering be created, e.g.:

B62D6/12 ("Devices automatically influencing the steering.... characterised by regulation being combined with other control systems... ")

The disadvantages of such an approach being that "Common control" has no specific IPC class. But on the other hand conflicts within IPC are avoided and technical expertise (e.g. in steering) is not spread over different subclasses.

EPO believes the disadvantages can be overcome by adopting an indexing scheme common to all vehicle applications. For example, input variables to controllers, the subsidiary system being controlled, and even some details of the structure of the control system (see examples provided by DE in annex 1) could be indexed according to this scheme. In this way, "common control" aspects can be retrieved during the search.

The IPC classes should be given according to the main controlled actuator or system (steering, suspension, etc..).

Regarding the clarification needed:

We believe the definition "drive units" should be retained in B60K41. "Drive units" are currently defined by notes 1 and 2 after the subclass title.

We do not agree that steering or suspension should fall within the scope of B60K.

A body of art relating to generalised "control structures", including the controller itself, needs to be accommodated. The emphasis here is more on control systems, data transmission and microprocessors in vehicles. We think it could be accommodated in B60R16 or in a new subclass of B60, which would have to be computer-oriented.

We agree with R that "Control of vehicle driving behaviour" poses a problem. At the moment, these documents are classified in B60K28/16 and/or B60T. We think that a common indexing scheme covering this aspect, with appropriate clear wording, would solve the problem.

Adriano Narminio

Japanese Patent Office

21 September 2000

Project:C-388

Subclass:B60K

We agree with the further subdivision of B60K 41/00 for conjoint control involving suspension and steering system, or other items shown in Annex 7.

However, the proposed example does not include conjoint control involving “suspension and brake system”, which we would like to propose to be added.

**OFICIUL DE STAT PENTRU
INVENTII SI MĂRCI**

RO COMMENTS

Date: 22.09.00

Page: of

Project: IPC C388

Class/Subclass B60K

Comments were invited on the Rapporteur's Report, in the light of the comments submitted by JP (Annex 7 and 8 to the project file).

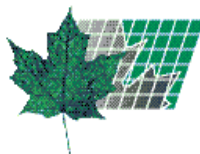
First of all we agree with the wording "vehicle sub-units" instead of "drive -units". We also agree with the opinion that the second and third parts in the note (1) after B60K 41/00 should be maintained unchanged.

Referring to note (2) after B60K 41/00, we would like to be kept as well.

N.MURARUS

The Canadian Intellectual
Property Office

CIPO



OPIC

L'Office de la propriété
intellectuelle du Canada

Project Number: C388

Date: 21 Sept. 2000

Class/Subclass: B60K

Page 1 of 1

We support the Rapporteur's recommendation regarding the wording proposed in the titles and notes, as well as the addition of further specific subdivisions as identified by R at the end of Annex 7. We also agree with JP (Annex 8) in keeping the 2nd and 3rd sentences of note (1) and note (2) unchanged.

Luc Gollain

DEUTSCHES PATENT- UND MARKENAMT German Patent and Trademark Office	Class/Subclass: B60K
	Date: 2000-11-10
Second Rapporteur Report C 388	

Re: IPC/WG/3

Comments were invited on the 1st R-report (Ann. 7 to the project file), in the light of comments submitted by JP (Ann. 8 to the project file).

Comments were received by **EP, JP and RO**.

JP and **RO** support revision of B60K in respect of replacing 'drive units' by 'sub-units' in the title of B60K and main group B60K 41/00 as did **CA** and **US** in the previous round of comments, see Ann. 2 and 3 to the project file. A definition for 'sub-unit' according to **US** comments was taken up by R, see Ann. 7, p. 2.

FR, **GB** and **EP** oppose to such widening of scope of 'conjoint control' in B60K. **GB** could imagine a further main group in B60K reading 'Control of vehicle attitude', see Ann. 5, p. 2. **EP** want to introduce an indexing scheme to cater for conjoint control subject matter where other sub-units than drive units are concerned, see their latest comment.

Nevertheless R sees up to now the majority of commenting offices on the side of the original proposal at least in view of the replacement of 'drive units'.

Rapporteur's recommendation

In order to make headway in this project R wants the WG to discuss whether the disadvantage of having some technical expertise, see sub-classes B60G, B62D, B60T, drawn over to B60K outweighs the advantage of a common location for conjoint control measures which, according to the DE-expert concerned, does not mean in general that sub-unit technology is involved: In the majority of cases where 'conjoint control' is the main aspect of a patent application only control principles or measures laid down in circuits are involved without a bearing on the sub-unit system as such. Otherwise, for example VDC technology (vehicle dynamic control) were to classify at least in B60K 28/16 and in B60K 41/20 irrespective of whether 'conjoint control' is the main disclosure or not.

As to an additional main group in B60K R sees no advantage because of much overlap within B60K: 'vehicle attitude' seems to embrace everything a vehicle can do.

Creating an indexing scheme would involve as many sub-classes as sub-unit types are classified there. R is doubtful whether this would solve the problem best bearing also in mind the future role indexing is to play (IPC reform).

As misgivings with regard to misinterpretations of the term 'sub-unit' should have been cleared up with the definition, see Ann. 7 p. 2, R recommends accommodation of conjoint control technology for vehicle sub-units in B60K 41/00.

Eod



IPC/C 394/97 Rev.3
ORIGINAL: English/French
DATE: October 30, 2000

WORLD INTELLECTUAL PROPERTY ORGANIZATION
ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
GENEVA/GENÈVE

COMMITTEE OF EXPERTS OF THE IPC UNION
COMITÉ D'EXPERTS DE L'UNION DE L'IPC

IPC REVISION PROJECT FILE/DOSSIER DE PROJET DE RÉVISION DE LA CIB

PROPOSAL BY: PROPOSITION DE :	RU	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :	F 04 D
KIND OF REVISION: TYPE DE RÉVISION :	Creation of subgroups Création de sous-groupes		

ANNEX/ ANNEXE	CONTENT/CONTENU		SEE/VOIR C 394/97	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal	/ Demande de révision avec proposition détaillée		RU	
2	Comments	/ Observations		EP	07.98
3	Comments	/ Observations		DE	02.99
4	Rapporteur report	/ Rapport du rapporteur		RU	02.99
5	Rapporteur proposal	/ Proposition du rapporteur		RU	02.99
6	Comments	/ Observations	Rev.1	DE	05.99
7	Proposal	/ Proposition	Rev.1	EP	10.99
8	Rapporteur report	/ Rapport du rapporteur	Rev.2	RU	12.99
9	Rapporteur proposal	/ Proposition du rapporteur	Rev.2	RU	12.99
10	Comments	/ Observations	Rev.2	JP	12.99
11	Decision of the Working Group	/ Décision du groupe de travail	Rev.2	WG	12.99
12	Comments	/ Observations	Rev.2	EP	03.00
13	Comments	/ Observations	Rev.2	CA	03.00
14	Comments	/ Observations	Rev.2	DE	03.00
15	Rapporteur report	/ Rapport du rapporteur	Rev.2	RU	04.00

RAPPORTEUR : RU

TECHNICAL FIELD/DOMAINE TECHNIQUE : M

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 394/97	ORIGIN/ ORIGINE	DATE
16	Rapporteur proposal / Proposition du rapporteur	Rev.2	RU	04.00
17	Decision of the Working Group / Décision du groupe de travail	Rev.3	WG	06.00
18	Comments / Observations	Rev.3	EP	09.00
19	Comments / Observations	Rev.3	RO	09.00
20	Comments / Observations	Rev.3	DE	10/00
21	Rapporteur report / Rapport du rapporteur	Rev.3	RU	10/00

EXCERPT FROM DOCUMENT IPC/WG/3/3/
EXTRAIT DU DOCUMENT IPC/WG/3/3

Project C 394 (mechanical) – Comments were invited on the Rapporteur's proposal (see Annex 16 to the project file).

Projet C 394 (mécanique) – Des observations ont été demandées sur la proposition du rapporteur (voir l'annexe 16 du dossier de projet).

Project: C 394 Subclass: F04D

We fully support the last Rapporteur proposal in Annex 16 !

H. Mende

**OFICIUL DE STAT PENTRU
INVENTII SI MĂRCI**

RO COMMENTS

Date: 22.09.00

Page: of

Project: IPC C394

Class/Subclass F04D

Comments were invited on the Rapporteur's Report, in the light of the comments submitted by JP (Annex 16 to the project file).

We agree with the creation of separate groups for "liquid-pumps" and "pumps for elastic fluids". We also agree with JP proposal to divide the group 29/06 regarding the lubrication.

N.MURARUS

Deutsches Patent- und Markenamt German Patent and Trademark Office	Class/Subcl.: F04D
	Date : 06.10.2000
DE - Comments — C 394	

Re: IPC/WG/3/3

Comments were invited on the Rapporteur's proposal (see Annex 16 to the project file)

On the whole we support the last Rapporteur's proposal in annex 16, including the creation of the subgroups 29/0451 and 29/0551 "Joining shafts together" because they are subordinated to the subgroups 29/045 and 29/055 "Shafts".

Concerning the proposed subgroups 29/043 and 29/053 2 "Axially shiftable rotors" we still have the opinion that they are superfluous because the significance and the expected amount of documents in these subgroups is relative low. The subject matter covered by these subgroups can easily be classified in the subgroups 29/041 and 29/051 "Axial thrust balancing".

FEDERAL INSTITUTE OF INDUSTRIAL PROPERTY

RU rapporteur report	
Project: C 394	Date: 30/10/00 11:21 AM
Class/subclass: F 04D	Page 1 of 1

This is the fourth rapporteur report. Comments were invited on the last Rapporteur's proposal (see Annex 16 to the project file).

Comments

Comments have been received from EP, RO and DE.

EP fully support the Rapporteur's proposal.

RO agree with the creation of separate groups for liquid-pumps and pumps for elastic fluids and support the proposal to divide the group 29/06 regarding the lubrication.

DE support the Rapporteur's proposal on the whole, but have the opinion that the subgroups 29/043 and 29/053 are superfluous. DE believe that the subject matter covered by these subgroups can be classified in the subgroups 29/041 and 29/051 since the expected amount of documents in these subgroups is relatively low.

Rapporteur's opinion

The commenting offices agree with the last Rapporteur's proposal on the whole.

Regarding the DE opinion to delete the subgroups 29/043 and 29/053 ("axially shiftable rotors") because of relatively low amount of documents Rapporteur is not in favour.

The estimated file size concerned with axially shiftable rotors includes 150 documents (see EP counterproposal of September 24, 1999). So the Rapporteur proposes to retain the subgroups 29/043 and 29/053.

Rapporteur's proposal

Rapporteur confirms the previous Rapporteur's proposal and suggests it for adoption (see Annex 16 to the project file).

S. Kovaleva



IPC/C 411/98 Rev.1
ORIGINAL: English/French
DATE: November 14, 2000

WORLD INTELLECTUAL PROPERTY ORGANIZATION
ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
GENEVA/GENÈVE

COMMITTEE OF EXPERTS OF THE IPC UNION
COMITÉ D'EXPERTS DE L'UNION DE L'IPC

IPC REVISION PROJECT FILE/DOSSIER DE PROJET DE RÉVISION DE LA CIB

PROPOSAL BY: PROPOSITION DE :	SE	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :	A 47 B
KIND OF REVISION: TYPE DE RÉVISION :	Creation of subgroups Création de sous-groupes		

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 411/98	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal / Demande de révision avec proposition détaillée		SE	12.98
2	Comments / Observations		EP	05.99
3	Comments / Observations		RO	05.99
4	Comments / Observations		US	05.99
5	Comments / Observations		GB	07.99
6	Rapporteur report / Rapport du rapporteur		SE	09.99
7	Comments / Observations	Rev.1	JP	11.00

RAPPORTEUR : SE TECHNICAL FIELD/DOMAINE TECHNIQUE : M

Japanese Patent Office

21 September 2000

Project:C-411

Subclass:A47B

* Reference to G06K 11/00 in A47B 21/00

We think the reference should be to G06F 3/00 instead of G06K 11/00.

Because, G06K 11/00 is a place to classify “methods or arrangements for graph-reading or for converting the pattern of mechanical parameters, e.g. force or presence, into electrical signals” and is hardly understood to be a classification for mouse in general.

Therefore, the reference in A47B 21/00 (working surface specially adapted for use with hand held sensing device per se, e.g. mouse-mats or mouse-pads) should be to G06F 3/00, instead of G06K 11/00.



IPC/C 416/98 Rev.1
ORIGINAL: English/French
DATE: November 13, 2000

WORLD INTELLECTUAL PROPERTY ORGANIZATION
ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
GENEVA/GENÈVE

COMMITTEE OF EXPERTS OF THE IPC UNION
COMITÉ D'EXPERTS DE L'UNION DE L'IPC

IPC REVISION PROJECT FILE/DOSSIER DE PROJET DE RÉVISION DE LA CIB

PROPOSAL BY: PROPOSITION DE :	PT	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :	F 16 N
KIND OF REVISION: TYPE DE RÉVISION :	Clarification of wordings Clarification de libellés		

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 416/98	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal / Demande de révision avec proposition détaillée		PT	12.98
2	Comments / Observations		EP	05.99
3	Comments / Observations		SE	05.99
4	Comments / Observations		CA	05.99
5	Comments / Observations		RO	05.99
6	Comments / Observations		US	05.99
7	Comments / Observations		DE	09.99
8	Rapporteur report / Rapport du rapporteur		PT	11.99
9	Comments / Observations	Rev.1	JP	09.00
10	Decision of the Working Group / Décision du groupe de travail	Rev.1	WG	09.00
11	Comments / Observations	Rev.1	EP	09.00
12	Comments / Observations	Rev.1	CA	09.00
13	Comments / Observations	Rev.1	RO	09.00
14	Comments / Observations	Rev.1	SE	09.00

RAPPORTEUR : PT TECHNICAL FIELD/DOMAINE TECHNIQUE : M

J P COMMENTS**Date 19.11.99****PCIPI/C-416 ; Subclass F16N**

Re: Rapporteur Report (Annex 8)

We support the proposed new entries in the note after subclass F16N.
And we have the following detailed comments.

A21B 3/16 ? ? We oppose to add this note because it is irrelevant to
Lubrication of F16N.

B21B 25/04 We support Ra proposal

B21B 27/06 We support Ra proposal

B21D 37/18 We support Ra proposal

B22D 11/07 We support Ra proposal

B23C 5/28 We support Ra proposal

B23D 59/02, 59/04 We support Ra proposal

B23Q 11/10, 11/12 We support Ra proposal

B26B 19/40 We support Ra proposal

B27B 13/12 We support Ra proposal

B61B 12/08 We support Ra proposal

B61F 17/00 We support Ra proposal

B61K 3/00 We support Ra proposal

B62J 31/00 We support Ra proposal

B65G 45/02 We support Ra proposal

B66B 7/12 We support Ra proposal

C10N We oppose to add this note because it is irrelevant to
Lubrication of F16N. We don't think it would make
useless , even though we add the reference which PT
proposed to the note of F16N.

D01G 29/00 We oppose to add this note because it is irrelevant to
Lubrication of F16N.

D01H 7/20 We support Ra proposal

D05B 67/00 We oppose to add this note because it is irrelevant to
Lubrication of F16N

D05B 71/00 We support Ra proposal

D05C 13/04 We support Ra proposal

D06M 11/00 We oppose to add this note because it is irrelevant to
Lubrication of F16N

D06M 13/00 We oppose to add this note because it is irrelevant to
Lubrication of F16N

D06M 15/00 We oppose to add this note because it is irrelevant to
Lubrication of F16N

- D07B 7/12 We oppose to add this note because it is irrelevant to Lubrication of F16N
- E01B 7/26 We support Ra proposal
- D07B 7/12 We oppose to add this note because it is irrelevant to Lubrication of F16N
- E01B 7/26 We support Ra proposal
- F01B 31/10 We think it would be preferable to add to the note after F01M.
- F01C 21/04 We think it would be preferable to add to the note after F01M.
- F01D 25/18 We think it would be preferable to add to the note after F01M.
- F01M We prefer to wording “Lubricating of *engines or pumps* in general”. Because the “machine” in F01M subclass only means a device which could equally be an engine and a pump.
It is preferable to move the reference to F16N in the F01M subclass title to F01M note.
And it is preferable to add at F01M note, references to specific application places concerning lubrication under subsection “ENGINES OR PUMPS(F01-F04)”.
- F02C 7/06 We think it would be preferable to add to the note after F01M.
- F02F 1/20 We think it would be preferable to add to the note after F01M.
- F04B 39/02 We think it would be preferable to add to the note after F01M.
- F04C 29/02 We think it would be preferable to add to the note after F01M.
- F04D 29/04 We think it would be preferable to add to the note after F01M.
- F16C 1/24 We support Ra proposal.
- F16C 33/10 We support Ra proposal.
- F16C 33/66 We support Ra proposal.
- F16F 1/24 We support Ra proposal.
- F16H 57/04 We support Ra proposal.
- F41A 29/04 We support Ra proposal.
- G04D 5/00 We oppose to add this note because it is irrelevant to Lubrication of F16N
- H01R 39/56 We oppose to add this note because it is irrelevant to Lubrication of F16N

EXCERPT FROM DOCUMENT IPC/WG/3/3/
EXTRAIT DU DOCUMENT IPC/WG/3/3

Project C 416 (mechanical) – Comments were invited on the rapporteur report, in the light of the comments submitted by Japan (see Annexes 8 and 9 to the project file, respectively).

Projet C 416 (mécanique) – Des observations ont été demandées sur le rapport du rapporteur, compte tenu des observations présentées par le Japon (voir respectivement les annexes 8 et 9 du dossier de projet).

Project: C 416 Subclass: F16N

We fully support the comment of JP-office in Annex 9. The last JP-comment (15-05-2000) which is identical to Annex 9 has an attachment with a final proposal. This proposal has to be completed by adding three missing references from the RR:

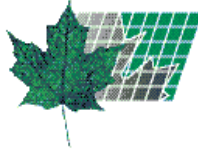
- N F16C33/10 Construction relative to lubrication of sliding-contact bearings
- N F16C33/66 Special parts or details for lubrication of ball or roller bearings
- N F16H57/04 Lubrication of transmissions

H. Mende

ANNEX 12

The Canadian Intellectual
Property Office

CIPO



OPIC

L'Office de la propriété
intellectuelle du Canada

Project Number: C416

Date: 21 Sept. 2000

Class/Subclass: F16N

Page 1 of 1

As originally expressed in Annex 4, we have reservations as to the exhaustiveness of reference listings from general subclasses to specific ones. Therefore, we support JP in opposing the addition of some notes for lack of relevancy, as identified in Annex 9.

We disagree with JP comment regarding the reference to F01M as this subclass is specifically entitled "Lubricating of machines or engines in general". The lubricating of pumps are covered by F04B 53/18, and F04B 39/02.

Luc Gollain

**OFICIUL DE STAT PENTRU
INVENTII SI MĂRCI**

RO COMMENTS

Date: 22.09.00

Project: IPC **C416**

Class/Subclass **F16N**

Comments were invited on the Rapporteur's Report, in the light of the comments submitted by JP (Annex 8 and 9 to the project file).

Taking into account that the proposed new entries in the note after the subclass F16N are useful for searching on line, we support the rapporteur's proposal. We also support JP comments presented in Annex 9 to the project file.

N.MURARUS

Swedish Patent and Registration Office

IPC Revision Project C 416, subclass F16N

September 27th, 2000

COMMENTS (relating to Annex 10)

Comments were invited on the rapporteur report, in the light of the comments submitted by Japan (Annexes 8 and 9).

The wording of the references is repetitive and inconsistent. This is to some extent unavoidable, if they have to reflect the wording of the places that the references point to, but it gives an untidy impression and is difficult to read. In F21 the similar list of references does not repeat the titles of the places, but gives a short expression giving the context of the different places. We think this is a preferable solution, especially if it is combined with a more informative wording of the note.

We propose:

F16N:

Note

Attention is drawn to the following places, which cover lubrication of specific apparatus or in particular processes:

A01D 69/12		<i>Harvesters</i>
A21B 3/16	-	Not lubrication!
B21B 25/04		<i>Mandrels for metal tube rolling mills</i>
B21B 27/06		<i>Rolls for metal rolling mills</i>
B21D 37/18		<i>Tools for machines for working metal without removing material</i>
B21J 3/00		<i>Forging or pressing</i>
B22D 1/07		<i>Moulds for continuous casting of metals</i>
B23C 5/28		<i>Milling cutters</i>
B23D 59/02, 59/04		<i>Metal saws</i>
B23Q 5/28	-	Wrong number!
B23Q 11/10, 11/12		<i>Machine tools</i>
B25D 17/26		<i>Portable power-driven percussive tools</i>
B26B 19/40		<i>Hair-clippers or dry-shavers</i>
B27B 13/12		<i>Band saw blades for wood or the like</i>
B60R 17/00		<i>Vehicles</i>
B61B 12/08		<i>Cable systems for railways</i>
B61C 17/08		<i>Railway locomotives</i>
B61F 17/00		<i>Axle-boxes of rail vehicles</i>

B61K 3/00		<i>Rail or wheel flanges of railways</i>
B62D 55/092		<i>Endless-track units for vehicles</i>
B66B 7/12		<i>Ropes, cables or guides of elevators</i>
C10M, C10N	-	No application places for lubrication!
B62J 31/00		<i>Cycles</i>
B65G 45/02		<i>Conveyers</i>
D01G 29/00	-	Not lubrication in the F16N sense!
D01H 7/20		<i>Spindles of machines for spinning or twisting threads or fibres</i>
D04B 35/28		<i>Knitting machines</i>
D05B 67/00		<i>Sewing machines</i>
D05C 13/04		<i>Embroidering machines</i>
D06M 11/00, 13/00, 15/00	-	No lubrication places!
D07B 7/12	-	Not lubrication in the F16N sense!
E01B 7/26		<i>Switches for railways</i>
E05B 17/08		<i>Locks</i>
E05D 11/02		<i>Hinges</i>
E21B 10/22		<i>Roller bits for earth drilling</i>
F01B 31/10		<i>Steam engines</i> (We agree with the JP opinion that this and the following eight references should be in F01M, but it seems more helpful for the user to have them in F16N too, rather than first being referred to F01M, only to find is a further reference there)
F01C 21/04		<i>Rotary-piston or oscillating-piston machines or engines</i>
F01D 25/18		<i>Non-positive displacement machines</i>
F01M		<i>Machines or engines in general</i>
F02C 7/06		<i>Gas-turbine plants</i>
F02F 1/20		<i>Cylinders of combustion engines</i>
F04B 39/02		<i>Pumps for liquids</i>
F04C 29/02		<i>Rotary-piston or oscillating-piston pumps for liquids</i>
F04D 29/04		<i>Non-positive displacement pumps</i>
F16C 1/24		<i>Flexible shafts</i>
F16C 33/10		<i>Sliding-contact bearings</i>
F16C 33/66		<i>Ball or roller bearings</i>
F16F 1/24		<i>Springs</i>
F16H 57/04		<i>Transmissions</i>
F41A 29/04		<i>Smallarms or ordnance</i>
G04D 5/00		<i>Clocks</i>
H01R 39/56		<i>Rotary current collectors, distributors or interrupters</i>

F01M:

Old Note becomes Note 1

Note 2

Attention is drawn to the following places, which cover lubrication of specific machines or engines:

F01B 31/10	<i>Steam engines</i>
F01C 21/04	<i>Rotary-piston or oscillating-piston machines or engines</i>
F01D 25/18	<i>Non-positive displacement machines</i>
F02C 7/06	<i>Gas-turbine plants</i>
F02F 1/20	<i>Cylinders of combustion engines</i>
F04B 39/02	<i>Pumps for liquids</i>
F04C 29/02	<i>Rotary-piston or oscillating-piston pumps for liquids</i>
F04D 29/04	<i>Non-positive displacement pumps</i>

Anders Bruun



IPC/C 420/98 Rev.1
ORIGINAL: English/French
DATE: November 14, 2000

WORLD INTELLECTUAL PROPERTY ORGANIZATION
ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
GENEVA/GENÈVE

COMMITTEE OF EXPERTS OF THE IPC UNION
COMITÉ D'EXPERTS DE L'UNION DE L'IPC

IPC REVISION PROJECT FILE/DOSSIER DE PROJET DE RÉVISION DE LA CIB

PROPOSAL BY: PROPOSITION DE :	SE	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :	G 06 K
KIND OF REVISION: TYPE DE RÉVISION :	Creation of subgroups Création de sous-groupes		

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 420/98	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal / Demande de révision avec proposition détaillée		SE	12.98
2	Comments / Observations		SE	05.99
3	Comments / Observations		CA	05.99
4	Comments / Observations		EP	05.99
5	Comments / Observations		RO	05.99
6	Comments / Observations		DE	05.99
7	Rapporteur report / Rapport du rapporteur		SE	09.99
8	Comments / Observations		EP	11.99
9	Comments / Observations	Rev.1	JP	11.00
10	Comments / Observations	Rev.1	JP	11.00

RAPPORTEUR : SE TECHNICAL FIELD/DOMAINE TECHNIQUE : M

J P COMMENTS

Date 16.11.99

PCIPI/C-420; Subclass G06K
Re: Annex 7

We do not agree with the description of the proposed reference note added in 11/22, “(characterized by layer substances or producing methods B32B)”. It is not proper as it is against the IPC principle that “When the subject of the invention concerns an article, it is classified in the place dealing with the article”. (See the paragraph 67 of the Guide).

Japanese Patent Office

21 September 2000

Project:C-420

Subclass:G06K

(1) Creation of G06K 11/22 and 11/24

We do not agree to create G06K 11/22 and 11/24.

As we all know, we operate a mouse manually by watching a mouse-pointer on a display device. We believe there already exists a classification for this subject matter and it should be classified in G06F 3/033 (using a movable member cooperating with a display device, e.g. lightpen, joystick, tracing ball). Also, the classification related to mouse-mats or mouse-platforms should be subdivided under G06F 3/033 as they are used together with mouse.

(2) Reference note in G06K 11/22 (...; layered products B32B)

We do not think it proper, nor agree with the description of the proposed reference note in 11/22. Because, it is against the IPC principle that "when the subject of the invention concerns an article, it is classified in the place dealing with the article". (See the paragraph 67 of the Guide).