

**IPC REVISION PROJECTS/
PROJETS DE RÉVISION DE LA CIB**

**MECHANICAL FIELD/
DOMAINE DE LA MÉCANIQUE**



IPC/C 278/94 Rev.7
ORIGINAL: English/French
DATE: June 5, 2001

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
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3	Comments (re Annex 1) / Observations (réf. annexe 1)		DE	06.10.94
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5	Comments (re Annex 1) / Observations (réf. annexe 1)	Rev.1	RO	-02.95
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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
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RAPPORTEUR : EP

TECHNICAL FIELD/DOMAINE TECHNIQUE : M

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18	Comments / Observations	Rev.5	JP	12.99
19	Decision of the Working Group / Décision du groupe de travail	Rev.5	WG	12.99
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22	Comments / Observations	Rev.5	CA	03.00
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27	Decision of the Working Group / Décision du groupe de travail	Rev.6	WG	06.00
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35	Comments / Observations	Rev.6	CA	10.00
36	French version of approved amendments / Version française des modifications approuvées	Rev.6	EP	11.00
37	Decision of the Working Group / Décision du groupe de travail	Rev.7	WG	01.01
38	Proposal / Proposition	Rev.7	EP	04.01
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41	Comments / Observations	Rev.7	GB	05/01
42	Comments / Observations	Rev.7	SE	05/01
43	Rapporteur report / Rapport du rapporteur	Rev.7	EP	05/01
44	Comments / Observations	Rev.7	RO	06/01
45	Comments / Observations	Rev.7	DE	06/01

EXCERPT FROM DOCUMENT IPC/WG/4/5/
EXTRAIT DU DOCUMENT IPC/WG/4/5

Project C 278 (mechanical) – The EPO was requested to submit a proposal on an improved wording of the new group B 32 B 37/32 (see Annex 27 to the project file) by clarifying its intended scope.

Comments were invited on:

- the proposal to be submitted;
- the wording of the proposed group B 32 B 38/02 (see Annex 33 to the project file), in particular, whether it should refer to “making” or “shaping” the layers;
- the relationship of the said group 38/02 with other subgroups of main group 38/00 (see Annex 1 to this report) and with subclass B 29 C;
- the correctness of the wording of the new group 38/16 (see the said Annex 1) in the light of its intended scope, or whether the wording should refer to “preparatory treatment” or “surface treatment” of layers;
- to which subgroups of main group B 32 B 38/00 should the proposed Note after that group (see Annex 33 to the project file) apply and whether the contents of that Note should rather be reflected in the title of main group 38/00, without creation of the Note;
- whether the wording of the new main group B 32 B 39/00 (see Annex 1 to this report) could be made more precise so as to cover subject matter of its approved subgroups and to exclude its overlap with other main groups of subclass B 32 B, whether main group 39/00 should be made a residual group or whether its approved subgroups should be converted into separate main groups and a new residual main group introduced.

Projet C 278 (mécanique) – Il a été demandé à l’OEB de proposer un meilleur libellé pour le nouveau groupe B 32 B 37/32 (voir l’annexe 27 du dossier du projet), afin d’en préciser la portée envisagée.

Des observations ont été demandées :

- sur la proposition qui doit être présentée;
- sur le libellé du groupe B 32 B 38/02 proposé (voir l’annexe 33 du dossier de projet), en particulier sur le point de savoir s’il doit y être question de “making” (fabrication) ou de “shaping” (mise en forme) des couches;

- sur le rapport entre le groupe 38/02 et d'autres sous-groupes du groupe principal 38/00 (voir l'annexe 1 du présent rapport) et la sous-classe B 29 C;
- sur l'exactitude du libellé du nouveau groupe 38/16 (voir l'annexe 1) compte tenu de la portée envisagée du groupe, ou sur le point de savoir s'il doit être question dans le libellé de "preparatory treatment" ou de "surface treatment" des couches;
- sur le point de savoir à quels sous-groupes du groupe principal B 32 B 38/00 la note proposée après ce groupe (voir l'annexe 33 du dossier de projet) doit s'appliquer et s'il ne serait pas préférable de faire figurer le contenu de cette note dans le titre du groupe principal 38/00, en lieu et place de la note;
- sur le point de savoir si le libellé du nouveau groupe principal B 32 B 39/00 (voir l'annexe 1 du présent rapport) doit être rédigé de manière plus précise afin de couvrir la matière des sous-groupes approuvés et d'éviter tout chevauchement avec d'autres groupes principaux de la sous-classe B 32 B, et sur le point de savoir si le groupe principal 39/00 doit constituer un groupe résiduel ou si les sous-groupes correspondants approuvés doivent être transformés en groupes principaux distincts et si un nouveau groupe principal résiduel doit être créé.

ANNEX	1E	B 32 B	[Project-Rapporteur : 278/EP]	<SC04002E>
	Note(s) after the title			
			<ul style="list-style-type: none"> – <== <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		(6)	<i>Layered products are classified in groups 37/00 or 38/00 if not characterised by their structure or composition.</i>	
		(7)	<Former note (6)>	
N	37/10		• <i>characterised by the pressing technique, e.g. using direct action of vacuum or fluid pressure</i>	
N	37/16		• • <i>with all layers existing as coherent layers before laminating</i>	R

N	37/24	<ul style="list-style-type: none">• with at least one layer not being coherent before laminating, e.g. made up from granular material sprinkled onto a substrate	R
N	38/00	Operations in connection with laminating	
N	38/04	<ul style="list-style-type: none">• Punching, slitting or perforating	
N	38/06	<ul style="list-style-type: none">• Embossing	
N	38/08	<ul style="list-style-type: none">• Impregnating	
N	38/10	<ul style="list-style-type: none">• Removing layers, or parts of layers, mechanically or chemically (punching, slitting or perforating 38/04)	
N	38/12	<ul style="list-style-type: none">• Deep-drawing	
N	38/14	<ul style="list-style-type: none">• Printing or colouring	
N	38/16	<ul style="list-style-type: none">• Treatment of layers not covered by groups 38/04 to 38/14, e.g. cleaning	
N	38/18	<ul style="list-style-type: none">• Handling of layers or the laminate	
N	39/00	Apparatus or plants for making layered products	
N	39/02	<ul style="list-style-type: none">• Arrangements for monitoring or controlling lamination processes (safety arrangements 39/06)	
N	39/04	<ul style="list-style-type: none">• Layout of apparatus or plants, e.g. modular laminating systems	
N	39/06	<ul style="list-style-type: none">• Safety arrangements	

Project: C-278 Subclass: B32B

Before proposing a new wording for groups 37/32, 38/02, 38/16 and 39/00, we would like to make clear the scope of some groups as understood by EP.

B32B37/32

After investigation of the content of the equivalent subgroup in ECLA, it becomes clear that the intended scope for B32B37/32 is the fabrication of laminates having at least one layer presenting discontinuous surfaces. Due to the surface structure of that layer the lamination requires specific methods.

One source of inspiration for the wording could be the title of subgroups B32B3/10 and B32B3/12.

B32B38/02

The scope of the group is to gather documents showing the fabrication of at least one layer just before lamination, and taking advantage of the transitional (physical) properties of that layer in the lamination process (e.g. an extruded layer on which another layer is pressed for bonding while the extruded one is still in a semi-molten state).

B32B38/16

Here it is about pre- or post-treatment of layers or the laminate (e.g. drying, impregnating, softening, cleaning...).

Revised proposal

- C 37/32 . Manufacturing of laminates presenting at least one discontinuous layer.

- N 38/02 . Manufacturing of a layer and its lamination while in an unfinished state.
- C 38/16 . Other treatment of layers or the laminate
- C 39/00 Production facilities arrangements

Adriano Narminio

The Canadian Intellectual
Property Office

CIPO



OPIC

L'Office de la propriété
intellectuelle du Canada

Project Number: C278

Date: 03 April, 2001

Class/Subclass: B32B

Page 1 of 1

We are pleased to provide the comments below:

- 1) We consider that the wording of the proposed group 38/02 should refer to **Ashaping@**the layers.
- 2) We consider that there is a risk of overlap between 38/02 and subclass B29C, and would favour creating references to delimit the scope of the group/subclass.
- 3) We consider that the 38/16 should refer to **APreparing** or Pre-treating the layers, e.g. cleaning.@
- 4) We consider that the contents of the Note should be reflected in the title of main group 38/00.
- 5) We consider the current wording of B32B 39/00 to be confusing. We suggest that it become a residual group. We suggest the following wording (patterned on B65B 65/00) **ADetails of plants for making layered products and not otherwise provided for; layout of apparatus or plants@.**

Nancy Beauchemin

FEDERAL INSTITUTE OF INDUSTRIAL PROPERTY

RU comments	
Project: C 278	Date: 12.04.01 4:18 PM
Class/subclass: B 32B	Page 1 of 2

Comments relating to IPC/WG/4/5 (paragraph 10).

Comments were invited on:

- the improved wording of the new group B32B 37/32 proposed by EPO (January 22,2001).

We are not in favour of this one dot entry. If the intended scope for it is the fabrication of laminates having at least one discontinuous layer, we believe this subject matter should be classified in B32B 37/14 or a separate subgroup subordinated to 37/14 should be created.

- the wording of the proposed group B32B 38/02 (see Annex 33 to the project file), in particular, whether it should refer to "making" or "shaping" the layers.

We support the EPO modified proposal for the wording of this group (January 22,2001).

- the relationship of the said group 38/02 with other subgroups of main group 38/00 (see Annex 1 to this report) and with subclass B29C.

We think that the borderline between group 38/02, other subgroups of main group 38/00 and subclass B29C will be clear, if the wording of 38/02 is changed according to EPO modified proposal.

- the correctness of the wording of the new group 38/16 (see the said Annex 1) in the light of its intended scope, or whether the wording should refer to "preparatory treatment" or "surface treatment" of layers.

In respect of the wording of group 38/16, we believe that "surface treatment" would be more appropriate.

- to which subgroups of main group B32B 38/00 should the proposed Note after that group (see Annex 33 to the project file) apply and whether the contents of that Note should rather be reflected in the title of main group 38/00, without creation of the Note.

In our opinion, the contents of the Note proposed after the main group B32B 38/00 should be reflected in the title of this group.

- whether the wording of the new main group B32B 39/00 (see Annex 1 to this report) could be made more precise so as to cover subject matter of its approved subgroups and to exclude its overlap with other main groups of subclass B32B, whether main group 39/00 should be made a residual group or whether its approved subgroups should be converted into separate main groups and a new residual main group introduced.

We prefer that approved subgroups of 39/00 to be converted into separate main groups and a new residual main group introduced. Regarding the title of 39/02, we favour the wording such as "Devices for control or monitoring - - -".

S.Kovaleva

UK Patent Office Comments	IPC Revision Project C278
Subclass B32B	Date 11 April 2001

General Comments

The following comments relate to the EP proposal of 22nd Jan 2001.

Subgroup	Opinion	Comments
37/32	—	Apart from the minor comment that it should be “Manufacturing laminates..” or “Manufacture of laminates.....” . We think a comprehensive definition is inevitable here.
38/02	-	We think “while in an unfinished state” is too vague. We would prefer wording such as “...at an intermediate stage”
38/16	—	
39/00	-	We were quite happy with “Apparatus or plant...” as adopted at the last meeting of the revision working group. However, if this form of wording were to be persisted with we would prefer “production arrangements or facilities” although the overlap with 37/00 and 38/00 would persist.

Jim Calvert

Swedish Patent and Registration Office

IPC Revision Project C 278, subclass B32B

April 25th, 2001

COMMENTS relating to Annex 37

Comments were invited on:

– the proposal for 37/32 to be submitted by the EPO (Annex 38):

We do not think the wording proposed in Annex 38 covers all "sandwich panels" as understood in the art. Furthermore it appears to be dangerously close to the definition of "partial laminating" and the new group 37/30.

After inspecting a number of patent documents using the term, it appears that a generic expression covering "sandwich panels" would be something of the lines of "**a laminated panel comprising two stiff outer layers and a relatively thick, light, and stiff core layer**". Very similar definitions have been found in patent documents. The core layers are almost exclusively either of foamed material or of honeycomb or similar "discontinuous" material. The foamed layer can either (1) be formed "in situ" between the outer layers or (2) be a pre-existing layer that is attached to the outer layers. The discontinuous layers (3) are almost exclusively pre-existing.

The object of defining the expression "sandwich panel" is not to make a dictionary, but to create useful classification places. These three situations present different technical problems and it is probably not a good idea to cover them all in one group. **Therefore we propose that 37/32 is deleted.**

- It appears that different aspects of situation (1) are covered by either 37/24 or the proposed 38/02. The proposed 38/02 appears to be the better place, so we think a reference to that place should be added in 37/24. However, 38/02 does not specifically address the forming of foamed layers, or of layers between two other layers - perhaps subgroups of 37/24 covering these aspects are desirable?
- It appears that situation (2) is completely covered by 37/16.
- Different aspects of situation (3) appear to be covered by 37/16 and 37/30. This raises the question of whether there should be a reference in 37/16 to the more specific place 37/30. It also raises the question of whether there are situations that are specific for honeycomb or similar panels that could be singled out and covered in a subgroup to 37/30.

It is also obvious that some aspects of manufacture of "sandwich panels" are covered by 37/12. We think 37/12 should contain a reference to at least 37/30.

– the wording of the proposed group B32B 38/02 (see Annex 33 to the project file), in particular, whether it should refer to “making” or “shaping” the layers;

We think "shaping" is misleading. We leave it for the English-speakers to decide on whether "making" or "manufacturing" is best, but to us manufacturing feels like a more complex operation than, for example, extrusion. We would propose the title **"Making a layer immediately before or during laminating, e.g. by extrusion"** for 38/02. If we want to also cover laminating of the layer that is being made we must put a reference to this group in 37/00.

– the relationship of the said group 38/02 with other subgroups of main group 38/00 (see Annex 1 to this report) and with subclass B29C;

We see no problems between 38/02 and the other groups of 38/00. We have no major problems with the relationship between 38/02 and B29, as long as the title of 38/02 will make it clear that 38/02 only covers producing of the layer that is specially adapted for lamination or combined with lamination.

However, it appears that **B29C** and **B29D** create major problems with the new groups in other respects. The existing B32B 31/00 includes the reference **"making layered products comprising either a layer of plastics or a layer of substances in a plastic state B29"**. What should be done about that? It appears that the groups that we have introduced mean a similar reference can not be reintroduced. It has to be replaced by references pointing the other way.

Making multilayered products from plastics or material in a plastic state is covered in several groups of B29C:

- 39/12 and 39/20 (casting)
- 41/22 and 41/32 (coating)
- 43/20 and 43/30 (compression moulding)
- 44/06 and 44/24 (swelling or foaming)
- 45/16 (injection moulding)
- 47/04 and 47/06 (extrusion moulding)
- 69/00 does not mention multilayered products, but covers "combinations of shaping techniques not provided for in a single one of main groups B29C 39/00 to B29C 67/00, e.g. associations of moulding and joining techniques; Apparatus therefor"

Apart from 69/00 they appear to cover "single-step" processes, while the new groups 37/00 and 38/00 cover laminating, which is more of a "multi-step" process. **We propose a reference in B29C referring "laminating" to B32B 37/00.**

B29D 9/00 covers "Producing layered products from plastics or from substances in a plastic state". **We think this group should be deleted**, since there can hardly be any aspects that are not covered by the new groups in B32B.

– the correctness of the wording of the new group 38/16 in the light of its intended scope, or whether the wording should refer to "preparatory treatment" or "surface treatment" of layers;

The wording proposed by EPO appears to be so wide that it empties 38/00. We would prefer one or more groups with a more restricted wording, such as "surface treatment of layers, not covered by groups ...", "post-lamination treatment not covered by groups...". We would also like to point out that the existing 35/00 mentions matter that can not be classified in the new groups, such as "repair".

– to which subgroups of main group B32B 38/00 should the proposed Note after that group (see Annex 33 to the project file) apply and whether the contents of that Note should rather be reflected in the title of main group 38/00, without creation of the Note;

We are not sure that the note is necessary at all.

– whether the wording of the new main group B32B 39/00 could be made more precise so as to cover subject matter of its approved subgroups and to exclude its overlap with other main groups of subclass B32B, whether main group 39/00 should be made a residual group or whether its approved subgroups should be converted into separate main groups and a new residual main group introduced.

The "apparatus" part of 39/00 is definitely too wide. We would prefer to replace 39/00 with three main groups corresponding to the subgroups adopted in Annex 37. If a residual group is still considered, the existing 35/00 might serve as inspiration.

Anders Bruun

Project: C-278 Subclass: B32B

Hereafter a short review of the received comments relating to EP proposal (A.38):

37/32 Manufacturing of laminates... discontinuous layer.

CA
GB "Manufacturing laminates.." or "Manufacture of laminates...";
Definition inevitable
SE Deletion of the group
RU Against the introduction of the group

38/02 Manufacturing of a layer... unfinished state.

CA "Shaping... " + limiting references
GB "... at an intermediate stage"
RU Supports the proposal
SE "Making a layer immediately before or during laminating, e.g. by extrusion"

38/16 Other treatment of layers or the laminate

CA "Preparing or pre-treating the layers, e.g. cleaning"
GB Supports the proposal
SE "Surface treatment of layers, not covered by..." and "Post-lamination treatment not covered by ..."
RU "Preparatory treatment..." or "Surface treatment..."

39/00 Production facilities arrangements

CA Current wording confusing
GB Would prefer: "Apparatus or plants for making layered products" (A 37) or "Production arrangements or facilities".
SE Replace 39/00 with three main groups corresponding to subgroups adopted in A 37.
RU Replace 39/00 with three main groups corresponding to subgroups

Note after 38/00 (see A33)

- CA Content of the note should be reflected in the title of main group
38/00
- GB
- SE Not sure that a note is necessary at all
- RU Content should be reflected in the title of the group

SE points out that the existing 35/00 mentions matter that can not be classified in the new group, such as "repair"

Consolidated proposal:

- D 37/32
- C 38/00 Operations in connection with, and carried out before, during or after laminating
- N 38/02 . Manufacturing of a layer and its lamination while at an intermediate stage
- C 38/16 . Pre-treatment of layers or post-treatment of the laminate not covered by groups 38/04 to 38/14
- C 39/00 Production arrangements or facilities
- N 40/00 Operations or devices concerned especially with layered products and not otherwise provided for, e.g. for repairing

A.Narminio

OFICIUL DE STAT PENTRU
INVENTII SI MARCI RO. COMMENTS

Date: 09.04.2001
Page: 1 of 2

Project: **C278**

Class/Subclass **B 32 B**

Comments were invited on:

- *the proposal to be submitted;*

The proposal on the improved wording of the new group B 32B 37/32 was according to EP0 Modified Proposal of 22.01.2001

C 37/32 . Manufacturing of laminates presenting at least one discontinuous layer

The new wording of the group defining the sandwich structures according to the already existing subgroups B32B 3/10 and B32B 3/12 seems to be a good solution. Nevertheless we do not agree to the term "manufacturing" and would prefer keeping the term "making" of the title. We also would prefer to have an example.

Consequently, a possible wording of the group (maybe not the happiest) could be

C 37/32 . Making laminates presenting at least one discontinuous layer, e.g. honeycomb structures.

- *wording of the proposed group B32B 38/02 and the relationship with subclass B 29 C;*

In our opinion there is an overlap of the proposed new group 38/02 with the subclass B 29C, whatever the wording - shaping or making. In fact we are not in favour o keeping the group B 32B 38/02 at all, because documents showing the shaping of a plastic material with the purpose of laminating it, in fact refer to shaping at least one layer before laminating and this is already expressed in B 29C (39/12, 39/20, 41/22, 41/32 a. s. on).

In case of maintaining the new group B 32B 38/02, maybe at

least a reference could be useful.

We would also draw the attention on the possible overlap (or at least confusion) of the group B 29D 9/00 Producing layered products- with the Guide Heading “Methods...for making layered products”.

- *correctness of the wording of the new group 38/16 ;*

We would prefer the wording “preparatory treatment” of layers. A solution could be:

N 38/16 . Preparatory treatment of the layers, e.g. cleaning

- *Note after 38/00;*

In our opinion the contents of the Note should rather be reflected in the title of the main group 38/00, without creation of the Note. A wording as

N 38/00 Operations carried out before, during and after lamination
would be more convenient.

- *wording of the new main group B 32B 39/00;*

We think the wording of the new main group could be made more precise so as to cover subject matter of the subgroups. We still believe that creation of 39/00 as such with its subgroups is not justified and it seems more reasonably to us to have a wording as proposed by DE in Annex 34.

BUCURA IONESCU

DEUTSCHES PATENT- UND MARKENAMT German Patent and Trade Mark Office	Class/Subcl.: B32B
	Date : 23.05.01
DE - Comments — C 278	

Re: IPC/WG/4/5

Comments have been invited on

EP proposed 37/32 :

The wording for 37/32, see Modified Proposal by EP dated 22.01.01, is in our opinion too restrictive. If there is a need for "sandwich panel technology" in one place, such a group should be given priority over those under 37/00. We support this solution in conjunction with a definition of what is to be understood by "sandwich panel". Otherwise "laminating of sandwich panels" would be scattered at least over groups 37/00 and subgroups thereof according to the diverse laminating characteristics involved. We propose

:

37/32 . characterized by the sandwich panel structure, e.g. with a honeycomb layer

proposed 38/02 :

We think that "**forming layers before laminating, e.g. by extrusion**" would best serve the requirements for this group.

the relation of 38/02 with other subgroups of 38/00 and with B29C :

We see no problem with the other subgroups of 38/00.

Concerning B29C we support a reference in B29C pointing to B32B 37/00 as the proper place for laminating technology.

With view to the defining note before B32B 37/00 we see no overlap with "shaping by casting" or "shaping by coating", little overlap with "compression moulding" and "shaping by internal pressure...". As to the note we could imagine an addition in the sense of that "the action of combining" is accomplished by forces acting between the layer surfaces. As the first part of the note reads now we think it covers also discrete mechanical means to combine the layers, and this should be avoided.

the wording of 38/16 :

The wording should reflect that laminating as such is not encompassed here. We suggest "**preparatory treatment of the layers, e.g. cleaning**".

the note after 38/00 :

We think the note is dispensable.

the wording of 39/00 :

In accordance with 38/00 we would prefer for this group "**other equipment in conjunction with laminating**" and give 39/04 a main group status.



IPC/C 346/96 Rev.6
ORIGINAL: English/French
DATE: June 5, 2001

WORLD INTELLECTUAL PROPERTY ORGANIZATION
ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
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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

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 346/96	ORIGIN/ ORIGINE	DATE
42	Decision of the Working Group / Décision du groupe de travail	Rev 6	WG	01.01
43	French version of approved amendments / Version française des modifications approuvées	Rev.6	FR	06/01

EXCERPT FROM DOCUMENT IPC/WG/4/5/
EXTRAIT DU DOCUMENT IPC/WG/4/5

ANNEX	7E	B 02 C	[Project-Rapporteur : 346/AT]	<SC04003E>
D	18/40	(covered by 18/00 - 18/38)		
ANNEXE	7F	B 02 C	[Project-Rapporteur : 346/AT] (T:FR) - SC/03/3	<SC04006F> <SC03023E>
D	18/40	(couvert par 18/00 - 18/38)		
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)		
ANNEX	8E	B 29 B	[Project-Rapporteur : 346/AT]	<SC04004E>
N	17/04	• Disintegrating plastics (9/02, 11/02, 13/10 take precedence)		R
ANNEXE	8F	B 29 B	[Project-Rapporteur : 346/AT] (T:FR) - SC/03/3	<SC04007F> <SC03024E>
N	17/04	• Désintégration des matières plastiques (9/02, 11/02, 13/10 ont priorité)		
ANNEX	9	E 03 C	[Project-Rapporteur : 346/AT]	<SC04005E>
	1/26	• • --- devices for waste pipes or outlets (1/28 ---		
	1/266	• • • Arrangements of disintegrating apparatus in waste pipes or outlets; Disintegrating apparatus specially adapted for installation in waste pipes or outlets		
N	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 in general B 02 C

Projet IPC / C 346
Sous-classe **E 03 C**

VERSION FRANÇAISE

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

(ref : annexe 9 du document IPC/WG/4/5)

E 03 C

- 1/26
- • *Collecteurs ou dispositifs similaires de rétention d'objets pour les orifices d'écoulement ou les tuyaux d'évacuation des eaux usées (1/28 a priorité)*
- 1/266
- • • *Aménagement des appareils de désagrégation dans les canalisations d'évacuation des eaux usées ou les orifices d'écoulement; Appareils de désagrégation spécialement adaptés pour être installés dans les tuyaux d'évacuation ou les orifices d'écoulement*

*N Note(s)
après 1/266*

Note d'information

Les renvois ci-après indiquent les endroits de la CIB qui peuvent également présenter un intérêt pour une recherche portant sur la matière couverte par le groupe qui précède:

*Appareils de désagrégation en général **B 02 C***

Nota: groupe 1/266, il semble que l'on devrait avoir "arrangement_of " en EV



IPC/C 354/96 Rev.7
ORIGINAL: English/French
DATE: June 5, 2001

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
35	Decision of the Working Group / Décision du groupe de travail	Rev.7	WG	01.01
36	Proposal / Proposition	Rev.7	US	04.01
37	Comments / Observations	Rev.7	EP	04.01
38	Comments / Observations	Rev.7	RO	04.01
39	Comments / Observations	Rev.7	GB	05/01
40	Comments / Observations	Rev.7	FR	05/01
41	Comments / Observations	Rev.7	SE	05/01
42	Comments / Observations	Rev.7	US	05/01

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 354/96	ORIGIN/ ORIGINE	DATE
43	French version of approved amendments / Version française des modifications approuvées	Rev.7	FR	06.01
44	Rapporteur report / Rapport du rapporteur	Rev.7	DE	06.01

EXCERPT FROM DOCUMENT IPC/WG/4/5/
EXTRAIT DU DOCUMENT IPC/WG/4/5

Project C 354 (mechanical) – The Delegation of the United States of America volunteered to submit a proposal on the rearrangement of new groups created under main group B 60 R 21/00 (see Annex 25 to the project file and Annex 10E to this report), according to the standardized sequence of groups in IPC subclasses, approved by the ad hoc IPC Reform Working Group (see Annex IV to document IPC/REF/4/4).

Comments were invited on the proposal to be submitted.

Projet C 354 (mécanique) – La délégation des États-Unis d'Amérique s'est proposée pour présenter une proposition sur le réagencement des nouveaux groupes créés dans le groupe principal B 60 R 21/00 (voir l'annexe 25 du dossier de projet et l'annexe 10E du présent rapport), conformément à la séquence normalisée des groupes dans les sous-classes de la CIB, adoptée par le Groupe de travail ad hoc sur la réforme de la CIB (voir l'annexe IV du document IPC/REF/4/4).

Des observations ont été demandées sur la proposition qui doit être présentée.

ANNEX	10E	B 60 R	[Project-Rapporteur : 354/DE]	<SC04008E>
C	21/20	• • •	<i>Arrangements for storing inflatable members in their non-use or deflated condition; Arrangement or mounting of air bag modules or components</i>	R
N	21/205	• • • •	<i>Inflation fluid source retainers, e.g. reaction canisters; Connection of bags, diffusers or inflation fluid sources thereto</i>	
N	21/231	• • • •	<i>characterised by their shape, e.g. shaped with respect to a specific part of the occupant's body (21/233 takes precedence)</i>	R
N	21/33	• • •	<i>Arrangements for non-electric triggering of inflation (electrical circuits for triggering safety arrangements 21/01)</i>	
ANNEXE	10F	B 60 R	[Project-Rapporteur : 354/DE] (T:FR) - SC/03/3	<SC04009F> <SC03027E>
N	21/013	• •	<i>comportant des moyens pour détecter les collisions, les collisions imminentes ou un renversement</i>	
N	21/0132	• • •	<i>réagissant à des paramètres de mouvement du véhicule</i>	

- 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
- 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 ([21/233](#) a priorité)
- 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](#))

USPTO COMMENTS	
REVISION PROJECT C 354	Date: January 19, 2001
Class/subclass: B 60 R 21/00	

The USPTO volunteered to submit a proposal that rearranges the approved subgroups under group B 60 R 21/00 into the “Standardized Sequence of Main Groups for IPC Subclasses” (IPC/REF/4/4 Annex IV). It is easier to do this for Main Groups because their scope is broader than subgroups, but the same principles can be applied to subgroups in most instances.

In the USPC, because of sequential priority and our general inclusiveness rule, subgroups tend to be arranged based on various factors that are more art and situation specific. For example, in mechanical arts subgroups are frequently arranged

1. based on their degree of specialization,
2. based on their relative complexity,
3. to reduce the potential for overlap, and
4. to enhance the ease of scope understanding by searchers.

In the B 60 R 21/00 scheme rearrangement below, we used these criteria for creation of the suggested rearrangement of this main group. The important thing to remember in this illustration is that these criteria are useful but not absolute. In the end, only a detailed review of the patent documents that will be assigned to a main group can provide the classifier with the information essential to determining the best arrangement of its subgroups for searchers.

B 60 R VEHICLES, VEHICLE FITTINGS, OR VEHICLE PARTS, NOT OTHERWISE PROVIDED FOR (fire prevention, containment or extinguishing specially adapted for vehicles A62C 3/07)

Existing Group Number	Group Titles	Reason for location in scheme
21/00	Arrangements or fittings on vehicles for protecting or preventing injuries to occupants or pedestrians in case of accidents or other traffic risks (safety belts or body harnesses in vehicles B60R 22/00; devices, apparatus or methods for life-saving in general A62B; safety devices for propulsion unit control specially adapted for, or arranged in, vehicles B60K 28/00; seats constructed to protect the occupant from the effect of abnormal g-forces, e.g. crash or safety seats, B60N 2/42; energy-absorbing arrangements for hand wheels for steering vehicles B62D 1/11; energy-absorbing arrangements for vehicle steering columns B62D 1/19;	

	harnessing in aircraft B64D 25/00) [4,5]	
21/34	. Protecting non-occupants of a vehicle, e.g. pedestrians [4]	Moved since <u>all</u> other groups relate to occupants. Users now know this quickly.
21/01	. Electrical circuits for triggering safety arrangements in case of vehicle accidents or impending vehicle accidents [7]	Most complex one dot structure overall (electrical combined mechanical device).
21/013	.. including means for detecting collisions, impending collisions or roll-over	Detection is beyond interior of vehicle.
21/0132	... responsive to vehicle motion parameters	Sequenced by complexity of normal sensing structure.
21/0134	... responsive to imminent contact with an obstacle	
21/0136	... responsive to actual contact with an obstacle	
21/015	.. including means for detecting the presence or position of passengers, passenger seats or child seats, e.g. for disabling triggering	Limited to interior conditions.
21/017	.. including arrangements for providing electric power to the safety arrangements	Component of system.
21/02	. Occupant safety arrangements or fittings [4]	
21/12	.. which protect the occupants against personal attack from the inside or the outside of the vehicle [4]	Very special situation unrelated to accidents.
21/16	.. Inflatable occupant restraints or confinements designed to inflate upon impact or impending impact, e.g. "air bags" (connection of valves to inflatable elastic bodies B60C 29/00) [4]	Most limited two-dot active structure overall that relates to accidents.
21/32	... responsive to a vehicle condition which assumes impending collision, including electrical sensors to initiate inflation (electrical circuits for triggering safety arrangements B60R 21/01) [4,7]	Most complex three-dot structure overall
21/18	... the inflatable member formed as a belt or harness or combined with a <i>belt or harness</i> arrangement [4]	Most limited three-dot bag structure overall (bag is part of belt <i>storing</i> it).
21/20	... Arrangements for storing inflatable members in their non-use or deflated condition; Arrangement or mounting of air bag modules or components	Relates to location in vehicle, storage structure, and bag.
21/207	.... in steering wheels or steering columns	Any of these subgroups can interchange position without impact to users since they appear mutually exclusive.
21/210	.... in dashboards	
21/213	.... in vehicle seats	
21/215	.... in vehicle side panels, e.g. doors or pillars	
21/217	.... in vehicle roofs, e.g. in roof frames	
21/203	.... characterized by the covers for the inflatable member	This group is passive and will always overlap with 21/207 –21/217.
21/205	.... Inflation fluid source retainers, e.g. reaction canisters; connection of bags, diffusers or inflation fluid sources thereto	These are really just components useful with bag storage.

21/23	... Inflatable members	Basic bag structure.
21/233	.... comprising a plurality of individual compartments; comprising two or more bag-like members, one within the other	Most complex bag structure.
21/231	.... characterized by their shape, e.g. shaped with respect to a specific part of the occupant's body (21/233 takes precedence)	Covers outer shape of bag.
21/235	.... characterized by their material	Mere feature of bag.
21/237	.... characterized by the way they are folded	Does not directly relate to inflating or occupant.
21/239	.... characterized by their venting means	Does not directly relate to inflating or occupant. May be mere component of the whole. This may overlap with 21/26 & 21/28.
21/26	... characterized by the inflation fluid source or means to control inflation fluid flow	Mere component of total airbag system.
21/264	.... using instantaneous release of stored pressurized gas	This order can be changed either way, so long as it is clear where the combination of both types of sources goes.
21/268	..... with means for increasing the pressure of the gas when inflation is required, e.g. hybrid inflators	
21/272	.... using instantaneous generation of gas (21/268 takes precedence)	
21/30	.... with means to draw ambient air into the flow line and mix such air with the inflation fluid [4]	This 'air' is also an inflating source as are 21/264 & 21/272.
21/276	.... with means to vent the inflation fluid source, e.g. in case of overpressure	Mere feature of inflation source of either type.
21/28	.... with means to deflate the inflatable member [4]	This is last four-dot since it is not involved with inflation.
21/33	... Arrangements for non-electric triggering of inflation (electric circuits for triggering safety arrangements 21/01)	Mere sensing component.
21/06	.. Safety nets, transparent sheets, curtains, or the like, e.g. between occupants and glass (B60R 21/11, B60R 21/12, B60R 21/16 take precedence) [4]	2 nd Most complex two-dot active structure overall (safety device shifts). Moved below airbags, with superiority would limit scope of curtains or the like to always non-inflatable.
21/08	... movable from an inoperative to an operative position, e.g. in a collision (electrical circuits for triggering safety arrangements B60R 21/01) [4,7]	
21/13	.. Roll-over protection (electrical circuits for triggering safety arrangements B60R 21/01) [4,7]	This could be an active or passive structure, but

		additional to normal vehicle structure.
21/11	.. Overhead guards, e.g. against loads falling down [4]	Passive, but additional to normal vehicle structure.
21/09	.. Control elements or operating handles movable from an operative to an out-of-the way position, e.g. switch knobs, window cranks [4]	Has moving parts, but are only refinements of normal interior component.
21/04	.. Padded linings for the vehicle interior [4]	Passive (no moving parts) and only refinements of normal interior component.
21/045	... associated with the instrument panel or dashboard [4]	As long as they are mutually exclusive, either subgroup could come first.
21/05	... associated with the steering wheel, hand lever or column (yieldable steering columns B62D 1/18) [4,5]	
21/055	.. Padded fittings, e.g. head rests, sun visors [4]	Passive (no moving parts) only refinements of normal minor interior components.

Project: C-354 Subclass: B60R

Comments have been invited on the US proposal to reorder the main group 21/00.

1. The group B60R21/32 has been deleted (see annex 25 page 3). It should then disappear from the proposed scheme.
2. Moving B60R21/34 from the last position in the main group in IPC7 to the first one in IPC8, could only create unnecessary confusion amongst the users.
3. For the same reason, the groups (already present in IPC7) 21/02-21/20 should be inserted with the same numbering between the new groups 21/017 and 21/203.

In conclusion, EP wishes to keep the scheme as it was discussed and adopted without reordering the groups.

A.Narminio

OFICIUL DE STAT PENTRU
INVENTII SI MĂRCI

RO COMMENTS

Date:10.04.01

Page: 1 of 1

Project: IPC C354
Class/Subclass B60R

Comments were invited on the US proposal of the rearranged subgroups under group

B60R21/00

In principal we agree with the US proposal. Regarding the subgroups 21/231 and 21/233

we would like to preserve the existing order and not the order proposed by the US. We agree

with the EPO opinion that the subgroup 21/233 shows how the shape classified

under 21/231 is obtained.

Regarding the subgroup 21/32, in our opinion it is covered by the subgroup 21/16.

N. MUR{RUÔ

UK Patent Office Comments	IPC Revision Project C354
Subclass B60R	Date 11 April 2001

General Comments

We would like to thank US for the proposal dated January 19th 2001. We think a more logical ordering of the main group is a great step forward in understanding such a complex area.

Jim Calvert

Projet IPC / 354
Sous-classe B 60 R

Au WG 4/5, des observations ont été demandées sur la proposition US de réordonner les nouveaux groupes créés

Nous préférons voir en premier les entrées 21/01 à 21/02 puis les entrées 21/16 à 21/276, 21/30 puis les entrées 21/04 à 21/13 et finalement 21/34.

Sans faire de grandes modifications, on ira des dispositifs les plus complexes vers les plus simples.

Les entrées 21/28 et 21/32 ont été supprimées et ne doivent pas être reprises dans le nouveau schéma

Swedish Patent and Registration Office

IPC Revision Project C 354, subclass B60R

April 25th, 2001

COMMENTS

(relating to Annex 35)

Comments were invited on the proposal for reordering of groups, submitted by the USA (Annex 36):

We appreciate the proposal and the clear and well-motivated reasons given. We have no problems accepting it, apart from a couple of minor observations:

- Groups 21/28 and 21/32 have been deleted.
- We would put 21/272 before 21/264, since it involves reactions.
- We realise that 21/34 can be seen as a special case, but we think it would be better placed at the end of the scheme. Putting unique matter at the top is not very important as long as we do not have a "top-to-bottom classification rule".

We note the reactions of EPO. Frequent users are familiar with the current wording and will be confused by the changes, especially if they are using the paper IPC or not using the hierarchical presentation. Infrequent user will not have this problem, and will probably never realise there has been a change! If we think the advantageous effects of reordering do not outweigh the disadvantageous, then we should go back to the Committee of Experts and ask them to reconsider the point.

A point to discuss in the future is whether we can have an IPC that is not in numerical order. When all documentation is in electronic form renumbering of groups will be no major problem (apart from the need to avoid reusing old numbers), but for offices that still have paper documentation the cost of renumbering would be prohibitive.

As long as we do not have a "top-to-bottom classification rule", the exact ordering is of course only a matter of presentation. If future versions of IPC software allow, it would be an ideal solution to have the choice of displaying the schemes in the "familiar" numerical order or in the "new standard" order.

For the purpose of this project, US were only asked to submit a proposal for reordering the new groups. At this moment, we think this is all that should be done. We therefore look forward to a Rapporteur proposal for this.

We appreciate the effort of reordering the entire main group, and we think it is valuable for the Reform to have seen this exercise done - it shows that reordering is possible based on only "theoretical" considerations. It would be interesting to know how much time that was required for preparing the reordering proposal.

Anders Bruun

USPTO COMMENTS	
REVISION PROJECT C 354 Class/subclass: B 60 R 21/00	Date: April 30, 2001

US favors the logical reordering of main group B60R 21/00's dependent subgroups suggested in Annex 36 with slight modifications to the scheme. We agree with the comments of other Offices that both groups 21/28 and 21/32 should be deleted from the reordered scheme.

In view of the statements made by EP and RO, that they would prefer to preserve the existing numerical order and not adopt the suggested reordering, we think that clarification by the Reform Working Group on this issue would be helpful. We completely agree with SE's statement that at this time the exact ordering of groups in schemes is only a matter of presentation. However, it was our understanding that the 'official' WIPO electronic Subclass schemes (at least those not having general precedence) would be viewable to users as distinct presentations for each Subclass in either their traditional numerical order or reordered based on "the Standardized Sequence of Main Groups". If this is true, and the Revision Working Group approves an alternative reordered version of subgroups for select main groups, then we believe that both the traditional numerical sequence version and an alternative reordered sequence version can both be approved and used electronically.

We request that the IB bring the alternative presentation issue up at the upcoming meeting of the Reform Working Group for clarification of the options available, in this and other similar situations, to the Revision Working Group. This will ensure that a consistent policy is followed.

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 10E du document IPC/WG/4/5)

B 60 R

- | | | | |
|---|--------|---------|--|
| C | 21/20 | • • • | <i>Dispositions pour ranger les éléments gonflables non utilisés ou à l'état dégonflé; Agencement ou montage des composants ou modules des coussins gonflables</i> |
| N | 21/205 | • • • • | <i>Moyens de maintien des sources de fluide de gonflage, p.ex. boîtiers de réactions; Liaisons des sacs, des diffuseurs ou des sources de gonflage entre eux</i> |
| N | 21/33 | • • • | <i>Dispositions pour déclencher le gonflage par des moyens non électriques (circuits électriques pour déclencher le fonctionnement des dispositions de sécurité 21/01)</i> |

DEUTSCHES PATENT- UND MARKENAMT German Patent and Trade Mark Office	Class/Subcl.: B60R
	Date : 30.05.2001
4th Rapporteur Report — C 354	

Re: **IPC/WG/4/5**

Background :

Comments have been invited on the US-proposal on the rearrangement of the new groups created under B60R 21/00 (see Ann. 25 to the project file and Ann. 10E to the WG-4/5-report). **EP, FR, RO, GB, SE** and **BE** have commented on the US-proposal dated Jan. 19,2001.

Rapporteur's recommendation :

R is grateful for the effort made by **US** and presents their proposal restricted to the extent defined by the requested rearrangement only of the new groups. Relevant wishes to the scheme are added.

EP, however, and this is supported also by **DE**, want to keep the original numerical order.

US-scheme :

21/013	..
21/0132	
21/0134	
21/0136	
21/015	
21/017	
21/20	...
21/207	
21/210	
21/213	
21/215	
21/217	
21/203	
21/205	
21/23	...
21/233	
21/231	acc. RO to be placed before 21/233
21/235	
21/237	
21/239	
21/26	...
21/264	
21/268	
21/272	acc. SE to be placed before 21/264
21/30	acc. FR to be placed after 21/276
21/276	
21/33	...

According to the majority view **R** recommends adoption of the scheme with due regard of **FR, SE** and **RO** comments.

eod



IPC/C 355/96 Rev.7
ORIGINAL: English/French
DATE: June 5, 2001

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
38	Decision of the Working Group / Décision du groupe de travail	Rev.7	WG	01.01
39	Comments / Observations	Rev.7	EP	04.01
40	Comments / Observations	Rev.7	CA	04.01
41	Comments / Observations	Rev.7	RO	04.01
42	Comments / Observations	Rev.7	GB	05.01

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 355/96	ORIGIN/ ORIGINE	DATE
43	Comments / Observations	Rev.7	FR	05.01
44	French version of approved amendments / Version française des modifications approuvées	Rev.7	CH	05.01
45	Rapporteur report / Rapport du rapporteur	Rev.7	GB	06.01

EXCERPT FROM DOCUMENT IPC/WG/4/5/
EXTRAIT DU DOCUMENT IPC/WG/4/5

Project C 355 (mechanical) – The Working Group agreed to draw the attention of the IPC Committee of Experts to the new Note after group B 60 T 8/00 (see Annex 11E to this report) as a possible example of the implementation of the multi-aspect classification philosophy in the reformed IPC.

Comments were invited on whether the amended wording of the new group B 60 T 8/176 (see the said Annex 11E) could have any bearing on classification of “traction control systems.”

Projet C 355 (mécanique) – Le groupe de travail a convenu d’attirer l’attention du Groupe d’experts de l’Union de l’IPC sur la nouvelle note après le groupe B 60 T 8/00 (voir l’annexe 11E du présent rapport) en tant qu’exemple possible du mode de classement selon plusieurs aspects dans la CIB après sa réforme.

Des observations ont été demandées sur le point de savoir si la modification du libellé du nouveau groupe B 60 T 8/176 (voir l’annexe 11E) pourrait avoir une influence sur le classement des “systèmes de commande de traction”.

ANNEX	11E	B 60 T	[Project-Rapporteur : 355/GB]	<SC04010E>
N	Note(s) after 8/00			
			<i>When classifying in group 8/17, classification is also made in appropriate places in groups 8/18, 8/24, 8/26 or 8/32 if other aspects than electronic control are of interest.</i>	
N	8/176	• •	<i>Brake regulation specially adapted to prevent excessive wheel slip, e.g. ABS</i>	R
	8/18		<Reinsert original entry>	R
	8/24		<Reinsert original entry>	R
	8/26		<Reinsert original entry>	R
	8/32		<Reinsert original entry>	R

ANNEXE	11F	B 60 T	[Project-Rapporteur : 355/GB] (T:CH) - SC/02/2	<SC04011F> <SC02060E>
N	8/17		<ul style="list-style-type: none">Utilisation de moyens de régulation électriques ou électroniques pour la commande du freinage	
N	8/171		<ul style="list-style-type: none">Détection des paramètres utilisés pour la régulation; Mesure des valeurs utilisées pour la régulation	
N	8/172		<ul style="list-style-type: none">Détermination des paramètres de commande utilisés pour la régulation, p.ex. par des calculs impliquant des paramètres mesurés ou détectés	
N	8/173		<ul style="list-style-type: none">Élimination ou réduction de l'effet de signaux indésirables, p.ex. dûs aux bruits électriques ou aux vibrations	
N	8/174		<ul style="list-style-type: none">caractérisées par l'utilisation de logiques particulières de commande, p.ex. de la logique floue	
N	8/175		<ul style="list-style-type: none">Régulation des freins spécialement adaptée pour la prévention du patinage excessif des roues pendant l'accélération du véhicule, p.ex. commande de la traction (dispositifs de sécurité pour la commande de l'unité de propulsion sensible au patinage des roues, ou le prévenant B 60 K 28/16)	
N	8/176		<ul style="list-style-type: none">Régulation des freins spécialement adaptée pour la prévention du dérapage excessif des roues, p.ex. ABS	
N	8/1761		<ul style="list-style-type: none">en fonction de la dynamique de la roue ou du frein, p.ex. du dérapage de la roue, de l'accélération de la roue ou du taux de variation de la pression du fluide de frein	
N	8/1763		<ul style="list-style-type: none">en fonction du coefficient de frottement entre les roues et la surface du sol (8/1764 a priorité)	
N	8/1764		<ul style="list-style-type: none">Régulation pendant le déplacement sur une surface comportant plusieurs coefficients de frottement, p.ex. mu différent entre les côtés gauche et droit	
N	8/1766		<ul style="list-style-type: none">Ajustement des forces de freinage en fonction des charges de l'essieu du véhicule, p.ex. de l'avant vers l'arrière du véhicule	
N	8/1767		<ul style="list-style-type: none">Régulation de la stabilité du véhicule, p.ex. en tenant compte du taux d'embarquée ou de l'accélération centripète dans une courbe	
N	8/1769		<ul style="list-style-type: none">spécialement adaptée pour les véhicules ayant plus d'un essieu moteur, p.ex. véhicules à quatre roues motrices	

Project: C-355 Subclass: B60T

Comments were invited on whether the amended wording of B60T8/176 could have any bearing on classification of "traction systems".

EP is not fully satisfied with wording of 8/176 (A.38):

- in 8/175 the system is active while the brake disk is rotating relatively to the brake pads
- in 8/176 the system is active while the brake disk is blocked by the brake pads

EP sees two ways for removing any possible ambiguity:

- keep the symmetry with the wording of 8/175 by adding " during vehicle braking" to the wording of 8/176
- Put a preference note in 8/176 referring to 8/175.

The first option is the one we prefer.

A.Narminio

The Canadian Intellectual
Property Office

CIPO



OPIC

L'Office de la propriété
intellectuelle du Canada

Project Number: C355

Date: April 3, 2001

Class/Subclass: B60T

Page 1 of 1

Comments were invited on:

-Whether the amended wording of the new group B60T 8/176 (see the said Annex 11E) could have any bearing on classification of **A** traction control systems).

CA supports the removal of **A** during vehicle deceleration **A** from the new subgroup B60T 8/176. This effectively broadens the subgroup to include both **A** during vehicle deceleration **A** and **A** during vehicle acceleration **A** subject matter.

CA also supports addition of traction control to the examples in this subgroup **A** e.g. ABS, traction control systems @.

John Chiarelli

**OFICIUL DE STAT PENTRU
INVENTII SI MĂRCI**

RO COMMENTS

Date:10.04.01

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. MUR{RUÔ

UK Patent Office

Date: 10 April 2001

Comments on Project C355, Subclass B60T

Comments were invited on whether the amended wording of the new group B 60 T 8/176 could have any bearing on classification of "traction control systems."

We think that it could cause doubt in certain circumstances, although the problem is really that traction control is not, to our knowledge, dealt with very clearly in IPC. Perhaps 8/176 would be an appropriate place anyway, if brake control only is concerned, and B60K 28/16 if propulsion control only is concerned.

Jim Calvert

Projet IPC / C 355
Sous-classe B 60 T

Au WG/4/5 des observations ont été demandées sur la modification du libellé du B60T 8/176

La suppression de "pendant la décélération" du 8/176 permet au groupe à 3 points 8/1767 de s'insérer sous le 8/176 mais introduit un risque de chevauchement entre 8/1763, 8/1764, 8/1767 et 8/175.

Une solution est de maintenir dans 8/176 "during deceleration" et de créer une entrée à 2 points pour la matière du 8/1767

1/8745 . . Regulation of the stability of the vehicle , e. g. - - -

Session:	IPC/WG
Subclass:	B 60 T
Project(s):	C 355
Language:	F
Translator office:	CH
Translation source session:	IPC/WG/ 4/5
Translation source annex filename:	Ann. 11E

Mod. IPC entry Text or Instruction
type (interval)

N Note(s) Lors du classement dans le groupe 8/17 un classement dans les endroits appropriés parmi les groupes 8/18, 8/24, 8/26 ou 8/32 est également attribué si d'autres aspects que la commande électronique présentent un intérêt.

UK Patent Office**Date: 10 May 2001**

Rapporteur Report on Project C355, Subclass B60T

Background

Comments were invited on whether the amended wording of the new group B 60 T 8/176 (Brake regulation specially adapted to prevent excessive wheel slip, e.g. ABS) R could have any bearing on classification of "traction control systems."

Comments

Comments were received from CA, FR, EP, RO, GB

CA support the revised wording of 8/176 and think traction control should be included as an example.

FR and RO propose to insert "during deceleration" and to alter the hierarchy of 8/1767 to avoid overlap between 8/1763, 8/1764, 8/1767 and 8/175.

EP would like to include "during vehicle braking" in the wording of 8/176 or to have a precedence reference from 8/176 to 8/175.

GB think that traction control could be covered by the modified wording of 8/176 and therefore that some action is necessary.

Rapporteur's opinion

R thinks that some comments overlook the previously adopted 8/175 which clearly covers traction control. It is therefore necessary to find some amended wording or a reference to solve the potential overlap between 8/176 and 8/175.

R thinks it would be best to attempt to amend the wording of 8/176 before using precedence and therefore we have the proposal of FR to insert "during deceleration" and of EPO to insert "during vehicle braking". R notes that the inclusion of the word "vehicle" in the EPO perpetuates the problem that groups such as 8/1767 do not necessarily involve deceleration of the vehicle as a whole. On the other hand the FR proposal would probably be assumed to relate to vehicle deceleration, even though that is not explicitly stated.

R therefore proposes to take the EP proposal modified to exclude the word "vehicle" as a working document for the next meeting of the Revision Working Group. If this is done then there appears to be no need to alter the hierarchy of 8/1767, although R thinks an explanation in the electronic layer of the IPC is inevitable.

R also points out that wheel “slip” is usually, although not exclusively, used in relation to braking, rarely in relation to traction control where wheel “spin” is referred to.

Rapporteur Proposal

N 8/176 ·· Brake regulation specially adapted to prevent excessive wheel slip during braking, e.g. ABS

Jim Calvert



IPC/C 358/96 Rev.4
ORIGINAL: English/French
DATE: June 5, 2001

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 65 G
KIND OF REVISION: TYPE DE RÉVISION :	Creation of subgroups Création de sous-groupes		

ANNEX/ ANNEXE	CONTENT/CONTENU		SEE/VOIR C 358/96	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal	/ Demande de révision avec proposition détaillée		AT	15.01.96
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	07.10.96
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	FR	-11.96
7	Rapporteur report	/ Rapport du rapporteur	Rev.2	AT	15.04.97
8	Decision of the Working Group	/ Décision du groupe de travail	Rev.3	WG	12.99
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
14	Comments	/ Observations	Rev.3	EP	03.00
15	French version of approved amendments	/ Version française des modifications approuvées	Rev.3	FR	04.00

RAPPORTEUR : AT TECHNICAL FIELD/DOMAINE TECHNIQUE : M

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 358/96	ORIGIN/ ORIGINE	DATE
16	Comments / Observations	Rev.3	DE	04.00
17	Rapporteur report / Rapport du rapporteur	Rev.3	AT	05.00
18	Decision of the Working Group / Décision du groupe de travail	Rev.4	WG	01/01
19	French version of approved amendments / Version française des modifications approuvées	Rev.4	FR	06.01

EXCERPT FROM DOCUMENT IPC/WG/4/5/
EXTRAIT DU DOCUMENT IPC/WG/4/5

ANNEX	12E	B 65 G	[Project-Rapporteur : 358/AT]	<SC04012E>
<i>C</i>	69/28	•	<i>Loading ramps; Loading docks (as road – – –</i>	R
<i>N</i>	69/32	• •	<i>Shelters, surrounds or sealing arrangements for loading docks</i>	R
<i>N</i>	69/34	• •	<i>Accessories, e.g. vehicle restrainers, wheel blockers, positioners or bumpers</i>	
ANNEXE	12F	B 65 G	[Project-Rapporteur : 358/AT] (T:FR) - SC/02/2	<SC04013F> <SC02066E>
<i>C</i>	69/28	•	<i>Rampes de chargement; Quais de chargement (en – – –</i>	
<i>N</i>	69/30	• •	<i>Rampes de chargement installées de façon non permanente p.ex. transportables</i>	
<i>N</i>	69/32	• •	<i>Abris, entourages ou dispositions d'étanchéité pour quais de chargement</i>	

Projet IPC / C **358**
Sous-classe **B 65 G**

VERSION FRANÇAISE

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

(ref : annexe 12E du document IPC/WG/4/5)

B 65 G

N 69/34 . . . *Accessoires, p. ex. dispositifs de retenue des véhicules, dispositifs d'immobilisation des roues, dispositifs de positionnement ou d'amortissement*



IPC/C 366/96 Rev.10
ORIGINAL: English/French
DATE: June 5, 2001

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
30	Decision of the Working Group / Décision du groupe de travail	Rev.10	WG	01.01
31	Comments / Observations	Rev.10	EP	04.01
32	Comments / Observations	Rev.10	JP	04.01
33	Comments / Observations	Rev.10	CA	04.01
34	Comments / Observations	Rev.10	RO	04.01
35	Comments / Observations	Rev.10	FR	05.01
36	Comments / Observations	Rev.10	SE	05.01
37	Rapporteur report / Rapport du rapporteur	Rev.10	DE	06.01
38	French version of approved amendments / Version française des modifications approuvées	Rev.10	FR	06.01

EXCERPT FROM DOCUMENT IPC/WG/4/5/
EXTRAIT DU DOCUMENT IPC/WG/4/5

Project C 366 (mechanical) – Comments were invited on (see Annex 18, relating to subclass E 04 F, to this report):

- whether the expression “service installations” in the wording of the new group 13/074 correctly reflected the intended scope of the group, or whether the expression “utility lines” should be used in analogy with the existing group E 04 F 17/08;
- how detailed should be a list of examples in the wording of the said group 13/074;
- the correctness of the wording of the new group 13/075 in the light of its intended scope;
- whether there was any overlap between groups 13/074 and 13/075 and, if that were the case, how it could be eliminated;
- the relationship of group 13/28 with other subgroups of group 13/20 and the desirability of multi-aspect classification in respect of subject matter relating to “adjustability.”

Projet C 366 (mécanique) – Des observations ont été demandées (voir l’annexe 18 du présent rapport relative à la sous-classe E 04 F) :

- sur le point de savoir si les termes “service installations” dans le libellé du nouveau groupe 13/074 traduisent correctement la portée envisagée du groupe, ou s’il convient d’utiliser les termes “utility lines” (gaines techniques) par analogie avec le groupe E 04 F 17/08 existant;
- sur le caractère plus ou moins détaillé que devrait présenter une liste d’exemples dans le libellé du groupe 13/074;
- sur l’exactitude du libellé du nouveau groupe 13/075 compte tenu de sa portée envisagée;
- sur le point de savoir s’il existe un chevauchement entre les groupes 13/074 et 13/075 et, dans l’affirmative, comment il pourrait être supprimé;
- sur le lien entre le groupe 13/28 et d’autres sous-groupes du groupe 13/20 et sur l’opportunité d’un classement selon plusieurs aspects en ce qui concerne la matière relative à l’“adjustability”.

ANNEX	18	E 04 F	[Project-Rapporteur : 366/DE]	<SC04014E>
N	13/07			<ul style="list-style-type: none">• <i>composed of covering or lining elements; Sub-structures therefor; Fastening means therefor</i>
N	13/072			<ul style="list-style-type: none">• • <i>composed of specially adapted, structured or shaped covering or lining elements</i>
N	13/073			<ul style="list-style-type: none">• • • <i>for particular building parts, e.g. corners or columns</i>
N	13/074			<ul style="list-style-type: none">• • • <i>for accommodating service installations, e.g. heating tubes, electrical lines or lighting devices</i>
N	13/075			<ul style="list-style-type: none">• • • <i>for insulation or surface protection purposes, e.g. with noise reducing layers or rebound surfaces</i>
N	13/076			<ul style="list-style-type: none">• • • <i>characterised by the joints between neighbouring elements, e.g. with joint fillings or with tongue and groove connections</i>
N	13/077			<ul style="list-style-type: none">• • • <i>composed of several layers, e.g. sandwich panels (13/075 takes precedence)</i>
N	13/078			<ul style="list-style-type: none">• • • <i>Stretched foil- or web-like elements attached with edge gripping devices</i>
C	13/08			<ul style="list-style-type: none">• • <i>composed of a plurality of similar covering or lining elements (13/072 takes precedence; borders, skirtings 19/02)</i>
N	Note(s) before 13/09			
				<p style="text-align: center;"><i>Group 13/09 takes precedence over groups 13/10 to 13/18.</i></p>
N	13/09			<ul style="list-style-type: none">• • • <i>of elements attached to a common web, support plate or grid</i>
C	13/10			<Add 1 dot>
C	13/12			<Add 1 dot>
C	13/14			<ul style="list-style-type: none">• • • <i>of stone or stone-like materials, e.g. ceramics; of glass</i>
N	13/15			<ul style="list-style-type: none">• • • • <i>characterised by the use of glass elements</i>
C	13/16			<ul style="list-style-type: none">• • • <i>of fibres or chips, e.g. bonded with synthetic resins</i>
C	13/18			<Add 1 dot>
N	13/20			<ul style="list-style-type: none">• • <i>Fastening means specially adapted for covering or lining elements</i>
N	13/22			<ul style="list-style-type: none">• • • <i>Anchors, support angles or consoles</i>
N	13/24			<ul style="list-style-type: none">• • • <i>Hidden fastening means on the rear of the covering or lining elements (13/30 takes precedence)</i>

- N 13/26* • • • *Edge engaging fastening means, e.g. clamps, clips or border profiles*
- N 13/28* • • • *Adjustment devices; Adjustable fastening means*
- N 13/30* • • • *Magnetic fastening means*

ANNEX 19 F 16 B [Project-Rapporteur : 366/DE] <SC04015E>

Note(s)
after the
title

<== for roof drainage

N *E 04 F 13/20* *Fastening means specially adapted for covering or lining elements for buildings*

E 04 G 5/04 Fastening scaffolds ==>

Project: 366 **Subclass: E04F**

Comments were invited on the following questions of the working group:

- whether the expression "service installations" in the wording of the new group 13/074 correctly reflected the intended scope of the group, or whether the expression "utility lines" should be used in analogy with the existing group E04F17/08?

The use of "service installations" seems much more appropriate to our expert because the scope is broader and it covers also thicker pipes incorporated in the panels.

- how detailed should be a list of examples in the wording of the said group

We would like to keep the examples as they stand because they give a good indication of the main content of the group.

- the correctness of the wording of the new group 13/075 in the light of its intended scope?

The wording is correct and describes precisely the contents of the intended group: elements for insulation or protection of surfaces, e.g. against noise and impacts.

- whether there was any overlap between groups 13/074 and 13/075 and, if that were the case, how it could be eliminated?

According to our expert there is no overlap between these groups. The groups concern different features of lining elements. Insulation used for pipes in "service installations" has a purpose different from that of a covering element with insulation layers for reducing noise.

- the relationship of group 13/28 with other subgroups of group 13/20 and desirability of multi-aspect classification in respect of subject matter relating to "adjustability"?

We would prefer multi-aspect classification to solve the overlap between 13/28 and other subgroups below 13/20.

H. Mende

Japan Patent Office

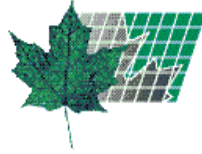
10 April 2001

Project:C-366Subclass:C40F

- Having no idea of what subject matter is to be covered in E04F 13/09, we would like to refer to specific sample documents.
- We see that the groups under E04F 13/22 are subdivided based on specific connecting or fastening means (e.g. anchors, clips, or magnets), while only 13/28 is based on function (e.g. adjustment devices). We think it proper to place 13/28 at the head or last place of these 3-dot groups.
- We do not think there is overlap between E04F 13/074 and 13/075. Because, 13/074 is for installing accommodating service (heating tubes, electrical lines), while 13/075 is for insulating external effects (heat, noise, etc.). They have different aspects for classification.

The Canadian Intellectual
Property Office

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L'Office de la propriété
intellectuelle du Canada

Project Number: C366

Date: March 28, 2001

Class/Subclass: E04F

Page 1 of 1

Comments were invited on:

-The IPC/WG/4/5/ (see Annex 18)

CA prefers the term **A** utility lines **A** to **A** service installations **A** in new subgroup 13/074 to keep it consistent with terminology used in E04F 17/08. We would also use as examples, **A** e. g. heating tubes, electrical lines, lighting devices and other service installations **A** and consider this to be an adequate list of examples for this subgroup.

CA considers the wording of the new subgroup 13/075 to be correct and adequately describes the subject matter intended for this subgroup.

CA also believes that there is no overlap between proposed new subgroups 13/074 and 13/075 as they each provide for distinctly different subject matter.

On the relationship between proposed subgroup 13/28 with other proposed subgroups under subgroup 13/20, CA would prefer multiple classifications to cover possible overlap in respect of subject matter relating to **A** adjustability **A**.

John Chiarelli

OFICIUL DE STAT PENTRU
09. 04. 2001
INVENTII SI MARCI

RO. COMMENTS

Date:

Page: 1 of

1

Project: **C366**

Class/Subclass **E 04 F**

Comments were invited on Annex 18 to the report.

- *the expression Aservice installation@ or Autility lines@ should be used;*

We are in favour of adopting the expression Autility lines@ in analogy with the existing group E 04 F 17/08. From our point of view, the term Ainstallations@ is broader than Alines@ and the purpose of the elements of the group is to cover the Autility lines@, not the whole installations.

- *list of examples in the group 13/074;*

Proposal:

N 13/074 ... for accommodating utility lines, e.g. cables, pipes

- *correctness of the wording of group 13/075;*

We would prefer the deletion of Apurposes@ and have the following wording;

N 13/075 ... for insulation or surface protection, e.g. against noise or impact

- *whether there is any overlap between groups 13/074 and 13/075;*

In case of adopting the expression Autility lines@, we see no overlap problems between the two groups.

- *relationship of group 13/28 with other subgroups of group*

13/20;

The multi-aspect classification in respect of Adjustability= could be a good solution.

Another solution could be to change the wording of group 13/20 into

N 13/20 .. Fastening means specially----; Adjustment devices therefor

with a view to maintaining the subject matter, and to change consequently 13/28

N 13/28 ... Adjustable fastening means.

BUCURA IONESCU

Projet IPC / C 366
Sous-classe E 04 F

Au WG 4/5 des observations ont été demandées

- **pour savoir dans le nouveau groupe 13/074 lequel des termes "service installations" ou "utility lines" convient :**

le terme "utility lines" utilisé aussi pour le groupe 17/08 nous convient.

- **sur la liste d'exemples dans le libellé du 13/074**

nous pourrions ajouter "service installations" dans l'exemple.

- **sur l'exactitude du libellé du 13/075**

ce libellé nous convient.

- **sur le chevauchement éventuel entre 13/074 et 13/075**

Ce chevauchement n'est pas flagrant et nous pouvons garder le libellé actuel.

- **sur le lien entre 13/28 et 13/20**

les dispositifs qui se classent en 13/22, 13/24, 13/26 peuvent être aussi réglables il faut utiliser le classement multiple avec 13/28.

Swedish Patent and Registration Office

IPC Revision Project C 366, subclass E04F

April 26th, 2001

COMMENTS (relating to Annex 30)

Comments were invited on:

– whether the expression “service installations” in the wording of the new group 13/074 correctly reflected the intended scope of the group, or whether the expression “utility lines” should be used in analogy with the existing group E04F 17/08;

We prefer the wider expression "service installations". "Utility lines" would not cover the example "lighting devices".

– how detailed should be a list of examples in the wording of the said group 13/074;

The existing list is sufficient.

– the correctness of the wording of the new group 13/075 in the light of its intended scope;
– whether there was any overlap between groups 13/074 and 13/075 and, if that were the case, how it could be eliminated;

We think the wording of 13/075 is correct, but there is a potential for overlap that can be removed by giving 13/074 precedence.

–the relationship of group 13/28 with other subgroups of group 13/20 and the desirability of multi-aspect classification in respect of subject matter relating to “adjustability.”

We think there is little value of a general group for this matter, since the majority of the inventions in this field are specific to a particular type of fastening means and not of a general nature. We think there should instead be subgroups for "adjustment devices; adjustable fastening means" for each of the groups 13/24, 13/26 and 13/30, if there are enough documents. The groups should be renumbered in the order 13/28 (if kept), 13/30, 13/24, 13/26, 13/22.

Anders Bruun

DEUTSCHES PATENT- UND MARKENAMT German Patent and Trade Mark Office	Class/Subcl.: E04F
	Date : 23.05.01
Fifth Rapporteur Report — C 366	

Re: IPC/WG/4/5

Background :

Comments were invited (Ann. 30) on

- 1) whether the expression "service installations" in the new group 13/074 correctly reflected the intended scope of the group or whether the expression "utility lines" should be used in analogy with the existing group E04F 17/08;
- 2) how detailed should be a list of examples in the wording of the said group 13/074;
- 3) the correctness of the wording of the new group 13/075 in the light of its intended scope;
- 4) whether there was any overlap between group 13/074 and 13/075 and, if that were the case, how it would be eliminated;
- 5) the relationship of group 13/28 with other subgroups of group 13/20 and the desirability of multi-aspect classification in respect of subject matter relating to "adjustability".

Comments and Rapporteur's recommendations:

Comments have been received by **EP, CA** and **FR**.

As to

- 1) expressions "**service installations**" and "**utility lines**"

EP: Agreement to 13/074 as it stands in ann. 30

CA, FR : "utility lines" is preferred.

Rapporteur wants to point out here that the intent was not only to cover with this group adaptations for utility lines like for electrical wires, heating pipes or other long narrow installations but also for housing lighting devices, switches, sockets, i.e. more compact installations.

- 2) **examples** in **13/074**

EP : Examples should be maintained as they stand.

CA, FR : "and other service installations" should be added.

Rapporteur favours for the reasons given under 1) the version of ann. 30. It is left to the **WG** to decide on the alternative result from this round of comments:

13/074 ... for accomodating utility linnes, e.g. heating tubes, electrical lines, lighting devices or other service installations

3) correctness of 13/075

EP, CA, FR : The wording is correct.

4) overlap with 13/074 and 13075

EP, CA, FR : No essential overlap

Rapporteur recommends 13/074 and 13/074 for adoption according to ann, 30.

5) relation 13/28 and subgroups of 13/20

EP, CA, FR : Multiple classification should be applied.

Rapporteur recommends a note after 13/20 to provide multiple classification with view to 13/28 :

"When classifying in group 13/28 classification is also made in appropriate places in subgroups of 13/20 if other aspects than adjustability are of interest"

eod

Projet IPC / C 366
Sous-classe **E 04 F**

VERSION FRANÇAISE

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

(ref : annexe 18 du document IPC/WG/4/5)

E 04 F

- | | | |
|---|------------------------|--|
| N | 13/07 | • <i>constitués d'éléments d'habillage ou de garnissage; Leurs bâtis; Leurs moyens de fixation</i> |
| N | 13/072 | • • <i>constitués d'éléments d'habillage ou de garnissage spécialement adaptés, renforcés ou mis en forme</i> |
| N | 13/073 | • • • <i>pour des parties particulières des bâtiments, p.ex. encoignures ou colonnes</i> |
| N | 13/074 | • • • <i>pour des installations de service, p.ex. des canalisations de chauffage, des lignes électriques ou des dispositifs d'éclairage</i> |
| N | 13/075 | • • • <i>destinés à isoler ou à protéger les surfaces, p.ex. comportant des couches pour réduire le bruit ou des surfaces de rebond</i> |
| N | 13/076 | • • • <i>caractérisés par les joints entre éléments voisins, p.ex. comportant des remplissages de joint ou des liaisons à rainure et languette</i> |
| N | 13/077 | • • • <i>constitués de plusieurs couches, p.ex. panneaux sandwich (13/075 a priorité)</i> |
| N | 13/078 | • • • <i>éléments tendus de type feuille ou toile maintenus par des dispositifs de fixation sur les bords</i> |
| C | 13/08 | • • <i>constitués de plusieurs éléments d'habillage ou de garnissage semblables (13/072 a priorité; bordures, plinthes 19/02)</i> |
| N | Note(s)
avant 13/09 | |
| | | <i>Le groupe 13/09 a priorité sur les groupes 13/10 à 13/18.</i> |
| N | 13/09 | • • • <i>les éléments étant fixés à une toile, une plaque support ou une grille communes</i> |
| C | 13/10 | <Ajouter 1 point> |
| C | 13/12 | <Ajouter 1 point> |
| C | 13/14 | • • • <i>en pierre ou en matériau similaire, p.ex. en céramique; en verre</i> |
| N | 13/15 | • • • • <i>caractérisés par l'utilisation d'éléments en verre</i> |

- C 13/16 • • • *en fibres ou en copeaux, p.ex. collés par des résines synthétiques*
- C 13/18 <Ajouter 1 point>
- N 13/20 • • • *Moyens de fixation spécialement adaptés pour les éléments d'habillage ou de garnissage*
- N 13/22 • • • *Ancrages, supports d'angle ou consoles*
- N 13/24 • • • *Moyens de fixation cachés à l'arrière des éléments d'habillage ou de garnissage (13/30 a priorité)*
- N 13/26 • • • *Moyens de fixation s'engageant sur les bords, p.ex. pinces, clips ou profilés pour les bords*
- N 13/28 • • • *Dispositifs de réglage; Moyens de fixation réglables*
- N 13/30 • • • *Moyens de fixation magnétiques*

NB pour la version française uniquement nous proposons de corriger une erreur :

- 19/02 • - - - *p.ex. baguettes; Corniches pour l'éclairage (pour la protection - - -*

(ref : annexe 19 du document IPC/WG/4/5)

F 16 B

Note(s)
après le titre

- N <== l'eau des toits
- E 04 F 13/20 Moyens de fixation spécialement adaptés pour les éléments d'habillage ou de garnissage des bâtiments*
- E 04 G 5/04 Fixation d'échafaudages ==>*



IPC/C 367/96 Rev.5
ORIGINAL: English/French
DATE: June 5, 2001

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
20	Decision of the Working Group / Décision du groupe de travail	Rev.5	WG	01/01
21	Comments / Observations	Rev.5	EP	04.01
22	Comments / Observations	Rev.5	CA	04.01
23	Comments / Observations	Rev.5	RO	04.01
24	Comments / Observations	Rev.5	FR	05/01
25	Comments / Observations	Rev.5	SE	05/01
26	Rapporteur report / Rapport du rapporteur	Rev.5	DE	06.01
27	French version of approved amendments / Version française des modifications approuvées	Rev.5	FR	06.01

EXCERPT FROM DOCUMENT IPC/WG/4/5/
EXTRAIT DU DOCUMENT IPC/WG/4/5

Project C 367 (mechanical) – Comments were invited on (see Annex 20, relating to subclass E 04 G, to this report):

- whether overlap between the new groups 3/18 to 3/24 should be eliminated or multiple classification introduced in those groups;
- whether the wording of the new group 3/32 was correct in the light of its intended scope;
- the relationship between the new groups 3/30 and 3/34 and whether their relationship should be clarified by introducing a reference or multiple classification should be used in those groups;
- how overlap between the proposed groups 7/32 to 7/36 (see Annex 16 to the project file) could be solved, for example, by changing the hierarchical relationship of the groups, by excluding some groups from the classification scheme or by introducing multiple classification;
- whether it would be desirable to replace the term “scaffold” by the term “scaffolding” in respective places of the area E 04 G 1/00 to 7/00.

Projet C 367 (mécanique) – Des observations ont été demandées (voir l'annexe 20 du présent rapport relative à la sous-classe E 04 G) :

- sur le point de savoir si tout chevauchement entre les nouveaux groupes 3/18 à 3/24 doit être supprimé ou si un classement multiple doit être introduit dans ces groupes;
- sur l'exactitude du libellé du nouveau groupe 3/32 compte tenu de sa portée envisagée;
- sur le lien entre les nouveaux groupes 3/30 et 3/34 et sur le point de savoir si leur lien devrait être précisé par l'introduction d'un renvoi ou si un classement multiple devrait être utilisé dans ces groupes;
- sur la façon de supprimer le chevauchement entre les groupes proposés 7/32 à 7/36 (voir l'annexe 16 du dossier de projet), par exemple en modifiant le rapport hiérarchique des groupes, en excluant certains groupes du schéma de classement ou en introduisant un classement multiple;

– sur le point de savoir s’il est opportun de remplacer, dans la version anglaise, le terme “scaffold” par le terme “scaffolding” à certains endroits du secteur E 04 G 1/00 à 7/00.

ANNEX	20	E 04 G	[Project-Rapporteur : 367/DE]	<SC04016E>
C	1/14		• <i>Comprising essentially pre-assembled two-dimensional frame-like elements, e.g. of rods in L- or H-shape, with or – – –</i>	
C	1/15		• <i>– – – precedence); Platforms (boards or planks therefor 5/08)</i>	
D	1/16		<i>(transferred to 1/17, 5/16)</i>	
N	1/17		• <i>Comprising essentially pre-assembled three-dimensional elements, e.g. cubic elements</i>	
D	1/26		<i>(transferred to 5/00)</i>	
N	1/38		• <i>Scaffolds partly supported by the building (ladders attachable to structures E 06 C 1/34)</i>	
N	3/18		• <i>supported by cantilevers or other provisions mounted in openings in the building, e.g. window openings (3/28 takes precedence)</i>	
N	3/20		• <i>supported by walls (3/28 takes precedence; wall-anchors for supporting scaffolds 5/04; consoles 5/06)</i>	
N	3/22		• <i>supported by roofs or ceilings (3/28 takes precedence)</i>	
N	3/24		• <i>specially adapted for particular parts of buildings or for buildings of particular shape, e.g. chimney stacks or pylons (3/28 takes precedence)</i>	
N	3/26		• • <i>specially adapted for working on roofs</i>	
N	3/28		• <i>Mobile scaffolds; Scaffolds with mobile platforms</i>	
N	3/30		• • <i>suspended by flexible supporting elements, e.g. cables</i>	
N	3/32		• • • <i>Hoisting devices; Safety devices</i>	
N	3/34		• • <i>Supporting structures provided on the roofs</i>	
C	5/00		<i>Component parts or accessories for scaffolds (connections 7/00)</i>	
	5/08		• <i>– – – or planks</i>	
N	5/10		• <i>Steps or ladders specially adapted for scaffolds</i>	
N	5/12		• <i>Canopies</i>	
N	5/14		• <i>Railings</i>	
N	5/16		• <i>Struts or stiffening rods, e.g. diagonal rods</i>	

Project: 367 **Subclass: E04G**

Comments were invited on the questions of the working group relating to Annex 20.

- whether overlap between the new groups 3/18 to 3/24 should be eliminated or multiple classification introduced in this group?

These new groups have been already in use for seven years in our European classification (ECLA) and there is only a small percentage of overlap (less than 5%). In case of overlap multiple classification is used.

- whether the wording of the new group 3/32 was correct in the light of its intended scope?

The hoisting and safety devices which have been collected in the equivalent ECLA group are characteristic for mobile scaffolds hanging on flexible supporting elements. The wording is correct in the light of its intended scope.

- the relationship between the proposed groups 3/30 and 3/34 and whether their relationship should be clarified by introducing a reference or multiple classification should be used in those groups?

The two subject matters "platforms hanging on flexible supporting elements" and "supporting structures on a roof" concern different devices solving a different problem. We have noticed in our groups only a small overlap. Multiple classification is desirable in this case.

- how overlap between the proposed groups 7/32 to 7/36 (see Annex 16 to the project file) could be solved, for example, by changing the hierarchical relationship of the groups, by excluding some groups from the classification scheme or by introducing multiple classification?

We would like to keep the groups as they stand and introduce multiple classification.

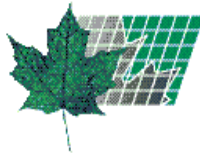
- whether it would be desirable to replace the term "scaffold" by the term "scaffolding" in the respective places of the area E04G1/00 to 7/00?

There is no real difference between the two expressions. The term scaffold is used 108 times in IPC 7 and scaffolding only 55 times. We therefor propose to use the first term in a consistent way in the respective places of E04G.

H. Mende

The Canadian Intellectual
Property Office

CIPO



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L'Office de la propriété
intellectuelle du Canada

Project Number: C367

Date: April 2, 2001

Class/Subclass: E04G

Page 1 of 1

Comments were invited on: -The Working Group Report IPC/WG/4/5/ dated January, 2001 (See Annex 20 to the project file)

In order to eliminate the overlaps that exist between the new groups 3/18 to 3/26, CA suggests combining subgroups 3/26 and 3/22 and making subgroups 3/18, 3/20 and 3/22 as 2-dot subgroups under the previous 3/24. Before renumbering, the partial schedule would look like the following:

- 3/24 . Specially adapted for particular parts of buildings or for buildings of particular shape, e.g. chimney stacks or pylons (3/28 takes precedence)
- 3/18 . . supported by cantilevers or other provisions mounted in openings in the building, e.g. window openings (3/28 takes precedence)
- 3/20 . . specially adapted for working on or supported by walls (3/28 takes precedence; wall-anchors for supporting scaffolds 5/04; consoles 5/06)
- 3/22 . . specially adapted for working on or supported by roofs or ceilings (3/28 takes precedence)

CA would prefer to cancel subgroup 3/32 by transferring hoisting devices to subclass B66F and creating a subgroup for safety devices under the main group 5/00.

CA finds little overlap between the new groups 3/30 and 3/34. We would prefer to rely on multiple classification rather than a specific reference for any documents which cover both subgroups.

CA suggests elimination of subgroups 7/32 and 7/34 to avoid overlap.

CA would prefer to see one term used in describing the subject matter in E04G as it relates to A scaffolding A or A scaffolds A. CA prefers the term A scaffolding A as it appears to be the broader term.

John Chiarelli

Project: **C367**

Class/Subclass **E 04 G**

Comments were invited on Annex 20.

- *overlap between the new groups 3/18 to 3/24.*

We are in favour of using multiple classification when necessary.

- *wording of the new group 3/32.*

We think the wording is correct, but we prefer to have **Hoisting** or **safety devices**

- *relationship between new groups 3/30 and 3/34.*

We are in favour of using multiple classification in those groups.

- *overlap between the proposed groups 7/32 to 7/36 (Annex 16).*

Again we would prefer to use multiple classification.

- *replacing of the term **Ascaffold**.*

Not being English natives we do not really know the difference between **Ascaffold** and **Ascaffolding**, but we maintain our opinion expressed in the latest comments, to have one single term in a consistent way.

BUCURA IONESCU

Projet IPC / C 367
Sous-classe E 04 G

Au WG 4/5 des observations ont été demandées :

- **sur le point de savoir si un classement multiple doit être introduit dans les groupes 3/18 et 3/24**

Nous sommes favorables à un classement multiple dans ce cas;

si une priorité doit être donnée il faut la donner à 3/24;

- **sur l'exactitude du libellé du 3/32**

Il y a chevauchement avec B66D 3/00 pour ces dispositifs de levage et B66D 5/00 pour les dispositifs de sécurité;

Il y a lieu de rajouter un renvoi après le titre du B66D :

B66D

- - - ascenseurs B66B, dispositifs de levage , dispositifs de sécurité pour échafaudages essentiellement supportés par les bâtiments E04G 3/32)

- **sur le lien entre 3/30 et 3/34 et la possibilité de mettre un renvoi ou un classement multiple**

Nous ne voyons pas de chevauchement flagrant mais le cas échéant nous sommes favorables à un classement multiple;

- **sur la façon de supprimer le chevauchement entre 7/32 à 7/36 (annexe 16)**

Nous ne sommes pas favorables à la création de ces entrées qui se chevauchent;

- **sur le choix entre les termes scaffold et scaffolding dans la version anglaise**

Nous remarquons que les deux termes anglais sont utilisés dans la CIB alors qu'en français il n'y a qu'un seul terme "échafaudage". Il n'est pas sûr que la nuance soit perceptible pour les classificateurs dont la langue maternelle n'est pas l'anglais.

Swedish Patent and Registration Office

IPC Revision Project C 367, subclass E04G

April 27th, 2001

COMMENTS relating to Annex 20

Comments were invited on:

– whether overlap between the new groups 3/18 to 3/24 should be eliminated or multiple classification introduced in those groups;

We think the overlap is acceptable and multi-aspect classification could be applied without the need of any notes or similar arrangements.

– whether the wording of the new group 3/32 was correct in the light of its intended scope;

"Hoisting devices" and "safety devices" are two rather disparate things. However, we do not have any strong objections to keeping them in the same group if other delegations think it is useful.

– the relationship between the new groups 3/30 and 3/34 and whether their relationship should be clarified by introducing a reference or multiple classification should be used in those groups;

We think 3/34 should be a subgroup of 3/30. We think there are relatively few inventions that are related to supporting structures for other types of scaffolding than those covered by 3/30.

– how overlap between the proposed groups 7/32 to 7/36 (see Annex 16 to the project file) could be solved, for example, by changing the hierarchical relationship of the groups, by excluding some groups from the classification scheme or by introducing multiple classification;

We think multi-aspect classification is an unnecessary complication for these two aspects. We think the aspect covered by the proposed 7/36 and 7/38 should be the principal basis for subdivision, in the same way as it is in the parallel one-dot group 7/02. The aspect represented by 7/32 and 7/34 could be used for subdivision of groups based on the other aspect.

– whether it would be desirable to replace the term “scaffold” by the term “scaffolding” in respective places of the area E04G 1/00 to 7/00.

We think "scaffolding" is preferable, since it is a bit wider. "Scaffolding" is also clearly more common in the IPC.

Anders Bruun

DEUTSCHES PATENT- UND MARKENAMT German Patent and Trade Mark Office	Class/Subcl.: E04G
	Date : 23. 05.01
Fourth Rapporteur Report — C 367	

Re: IPC/WG/4/5

Background:

Comments were invited on the questions in ann.20 to the project file.
Comments have been received by **EP, FR, CA and RO** offices.

Comments and rapporteur's recommendation

concerning overlap with groups 3/18 to 3/24 :

- EP:** Only little overlap noticed. In case of overlap multiple classification is applied.
FR: Multiple classification should be provided. If priority, then for group 3/24.
CA: A **counter proposal** is provided with 3/24 as superior group.
RO: Multiple classification is favoured.

Rapporteur does not favour a mixture of scaffolds "specially adapted for working on or supported by..." in single groups, neither subordination of scaffolds supported by walls, roofs, ceilings under 3/24. "Supported by" does not mean in itself that a special adaptation for a particular part of a building is involved.

R recommends to follow the majority view and allow multiple classification with groups 3/18 to 3/24.

concerning the correctness of 3/32 :

- EP:** The wording is correct.
FR: To deal with overlap with view to B66D 3/00 and B66D 5/00 a reference pointing to E04G 3/32 should be added after the B66D title.
CA: 3/32 should be cancelled, B66F being the better place for hoisting devices. A sub-group for safety devices should be placed under E04G 5/00.
RO: The wording "hoisting or safety devices" is preferred.

Rapporteur recommends to keep the group as proposed in ann. 20. R recognizes overlap with B66D and recommends a reference according FR comment. R does not recommend to let B66F cover the contents of 3/32 because of the usually close relationship with 3/30.

concerning overlap between 3/30 and 3/34 :

EP, FR, CA and RO see little overlap and want to provide multiple classification. R recommends to follow the unanimous view.

concerning overlap between groups 7/32 to 7/36 (Ann. 16):

- EP:** Multiple classification should be allowed here.
FR, CA see overlap and do not like to create these groups.
RO: Multiple classification should be allowed here.

Rapporteur recommends to eliminate overlap by cancelling 7/32 and 7/33 but to keep 7/34 and 7/36.

concerning "scaffold" or "scaffolding" in E04G 1/00 to 7/00 :

EP: "Scaffold" is preferred.

FR: It is doubted whether the difference is noted by the average user.

CA: "Scaffolding" is preferred being the broader term.

RO: Only one single term should be used.

Taking up CA-view that "scaffolding" is the broader term comprising scaffolds, material for and erecting of scaffolds **Rapporteur** recommends to keep it in the E04G title and sub-class index and to replace it consequently by "scaffold(s)" in all group titles to avoid any inappropriate subtleness.

eod

Projet IPC / C 367
Sous-classe **E 04 G**

VERSION FRANÇAISE

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

(ref : annexe 20 du document IPC/WG/4/5)

E 04 G

- | | | |
|---|------|---|
| C | 1/14 | • <i>comprenant essentiellement des éléments pré-assemblés en deux dimensions formant cadre, p.ex. des barres en L, en H avec ou sans entretoises (1/15 a priorité)</i> |
| C | 1/15 | • <i>--- a priorité; Plates-formes (leurs planches ou madriers 5/08)</i> |
| D | 1/16 | <i>(transféré en 1/17, 5/16)</i> |
| N | 1/17 | • <i>comprenant essentiellement des éléments pré-assemblés en trois dimensions, p.ex. éléments cubiques</i> |
| D | 1/26 | <i>(transféré en 5/00)</i> |
| N | 1/38 | • <i>Échafaudages partiellement supportés par le bâtiment (échelles pour accrochage à des constructions E 06 C 1/34)</i> |
| N | 3/18 | • <i>supportés par des consoles ou d'autres dispositions montées dans des ouvertures des bâtiments, p.ex. des ouvertures de fenêtres (3/28 a priorité)</i> |
| N | 3/20 | • <i>supportés par les murs (3/28 a priorité; ancrages sur les murs pour supporter les échafaudages 5/04; consoles 5/06)</i> |
| N | 3/22 | • <i>supportés par la couverture ou les plafonds (3/28 a priorité)</i> |
| N | 3/24 | • <i>spécialement adaptés pour des endroits particuliers des bâtiments ou pour des bâtiments de forme particulière, p.ex. cheminées de haut-fourneaux ou pylônes ((3/28 a priorité)</i> |
| N | 3/26 | • • <i>spécialement adaptés pour travailler sur les toits</i> |
| N | 3/28 | • <i>Échafaudages mobiles; Échafaudages avec plates-formes mobiles</i> |
| N | 3/30 | • • <i>suspendus par des éléments supports flexibles, p.ex. des câbles</i> |
| N | 3/32 | • • • <i>Dispositifs de levage; Dispositifs de sécurité</i> |
| N | 3/34 | • • <i>Structures de support installées sur les toits</i> |
| C | 5/00 | <i>Parties constitutives ou accessoires des échafaudages (assemblages 7/00)</i> |
| | 5/08 | • <i>--- ou madriers d'échafaudages</i> |
| N | 5/10 | • <i>Marchepieds ou échelles spécialement adaptés pour les échafaudages</i> |
| N | 5/12 | • <i>Bâches</i> |
| N | 5/14 | • <i>Rambardes</i> |
| N | 5/16 | • <i>Entretoises ou barres de raidissement, p.ex. diagonales d'échafaudages</i> |



IPC/C 369/96 Rev.8
ORIGINAL: English/French
DATE: May 18, 2001

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
28	Decision of the Working Group / Décision du groupe de travail	Rev.8	WG	01/01
29	Rapporteur report / Rapport du rapporteur	Rev.8	EP	05/01

EXCERPT FROM DOCUMENT IPC/WG/4/5/
EXTRAIT DU DOCUMENT IPC/WG/4/5

Project C 369 (mechanical) – The EPO was requested to submit a new rapporteur report.

Projet C 369 (mécanique) – L'OEB a été prié de présenter un nouveau rapport en tant que rapporteur.

Project: C 369 Subclass: F04C, F01C

This rapporteur report is a reissue of the RR in Annex 26 taking now also into account the comments from SE, RO and CA which had been transferred too late. The working group had asked for comments on the former RR (Annex 18) in the light of the comments from Japan (Annex 19) and Germany (Annex 20).

Analysis of comments

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

GB thinks that the hierarchy for these groups is OK as long as references define the boundaries or precedences. CA (Annex 27) prefers a further one dot group covering changes in eccentricity not affecting the working chambers and changing F04C14/12, 28/12 and F01C20/12 to 2-dot groups to which precedence would be given. SE (Annex 25) prefers the solution proposed by JP to change the groups to 2-dot level.

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. There is no problem to arrange this group before 28/06 which was proposed by SE.

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.
CA, EP, RO and SE have no objection to the modification of subgroup title and introduction of subgroups. SE states that the subgroup for "Rotary slides" should have three dots.

F04C28/20

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

F04C28/22

GB thinks that there is no justification in terms of numbers of documents for this further subdivision. SE does not oppose a further break down but thinks that the hierarchical relationship of the groups should be sorted out.

F04C28/24

GB is afraid that the modified title could create overlap with the proposed subdivision of 28/16. SE asks for checking of the hierarchical position of the group. The group was a subgroup of 14/22 in earlier proposals.

F04C28/30

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

F04C28/32 see remarks under F04C28/06

F04C28/34

GB and SE support this new group if sufficient documents are available. SE prefers the word "monitoring" for this subject matter according to the definition in the Guide, paragraph 99. EP has doubts if this group is really needed. A fulltext search in F04C revealed only 11 documents with this keyword. SE and EP think if the group is created it should be a 2-dot group below "Safety arrangements".

Rapporteur's suggestions

Rapporteur concludes that there is a desire to change the hierarchical position of group F04C14/12, 28/12 and F01C20/12 as proposed by JP in Annex 19 and take up the SE proposal to improve the wording of the title.

There is broad support for a further break down of group 14/16 as proposed by DE with slight modification of the hierarchy.

For the new group "Diagnostic systems" or "Monitoring" the number of documents to create a group are probably too low. For that reason RR proposes to create a two part title: "Safety arrangements; Monitoring". Group F04C14/32 [28/32, F01C20/32] will go to the top of the scheme with a provisional number F04C14/05 [28/05, F01C20/05].

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

F04C		(Changes from Annex 18 in bolt)
N 14/00	installations	Control of, or safety measures for, machines, pumps or pumping
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 14/05	<14/32>	. during stopping or starting, idling or no-load operation
N 14/06		. characterised by varying the rotational speed
N 14/08		. characterised by varying the volume of the working chamber (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	< 2 dots>	. . characterised by changing the eccentricity between two members
N 14/14		. characterised 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 14/17		. . . Rotary slides
N 14/18		. . using lift 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	< 3 dots>	. . . being obtained by displacing a lateral sealing face
N 14/30		. Safety arrangements; Monitoring
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 14/00
D 15/02		(transferred to 14/00, 15/06)

- D 15/04 (transferred to 14/00)
- N 15/06** . Working fluid admission or discharge
- 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 28/05** <28/32> . during stopping, starting, idling or no-load operation
- N 28/06 . characterised by varying the rotational speed
- N 28/08 . characterised by varying the volume of the working chamber
(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** < 2 dots> . . characterised by changing the eccentricity **between two members**
- N 28/14 . characterised 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 28/17** . . . **Rotary slides**
- N 28/18** . . **using lift 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** < 3 dots> . . . being obtained by displacing a lateral sealing face
- N 28/30 . Safety arrangements; **Monitoring**
- D 29/08** **(transferred to 28/00, 29/12)**
- D 29/10 (transferred to 28/00)
- N 29/12** . Working fluid admission or discharge
- 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 20/05** <20/32> . during stopping, starting, idling or no-load operation
- N 20/06 . characterised by varying the rotational speed
- N 20/08 . characterised by varying the volume of the working chamber
(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** < 2 dots> . . characterised by changing the eccentricity between two members
- N 20/14 . characterised 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 28/17** . . . **Rotary slides**
- N 28/18** . . **using lift 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** < 3 dots> . . . being obtained by displacing a lateral sealing face

- N 20/30 . Safety arrangements; **Monitoring**

- D 21/12** **(transferred to 20/00, 21/18)**
- D 21/16 (transferred to 20/00)

- N 21/18** . Working fluid admission or discharge

H. Mende



IPC/C 371/96 Rev.7
ORIGINAL: English/French
DATE: June 5, 2001

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 :	F 23 B
KIND OF REVISION: TYPE DE RÉVISION :	Creation of a subgroup Création d'un sous-groupe		

ANNEX/ ANNEXE	CONTENT/CONTENU		SEE/VOIR C 371/96	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal	/ Demande de révision avec proposition détaillée		SE	30.01.96
2	Comments (re Annex 1)	/ Observations (réf. annexe 1)	Rev.1	GB	01.08.96
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	15.10.96
5	Comments (re Annex 1)	/ Observations (réf. annexe 1)	Rev.1	CA	18.10.96
6	Comments with counter- proposal (re Annex 1)	/ Observations avec contre- proposition (réf. annexe 1)	Rev.1	EP	05.11.96
7	Comments (re Annex 1)	/ Observations (réf. annexe 1)	Rev.1	FR	-11.96
8	Comments (re Annex 6)	/ Observations (réf. annexe 6)	Rev.2	SE	13.02.97
9	Rapporteur report	/ Rapport du rapporteur	Rev.3	SE	24.03.97
10	Comments (re Annex 1)	/ Observations (réf. annexe 1)	Rev.4	JP	30.05.97
11	Rapporteur report	/ Rapport du rapporteur	Rev.4	SE	05.99
12	Rapporteur proposal	/ Proposition du rapporteur	Rev.4	SE	05.99
13	Comments	/ Observations	Rev.5	SE	07.99

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

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 371/96	ORIGIN/ ORIGINE	DATE
14	Decision of the Working Group / Décision du groupe de travail	Rev.5	WG	07.99
15	Comments / Observations	Rev.5	EP	10.99
16	Comments / Observations	Rev.5	CA	10.99
17	Comments / Observations	Rev.5	RO	10.99
18	Comments / Observations	Rev.5	FR	11.99
19	Rapporteur report / Rapport du rapporteur	Rev.5	SE	11.99
20	Comments / Observations	Rev.6	JP	12.99
21	Decision of the Working Group / Décision du groupe de travail	Rev.6	WG	12.99
22	Proposal / Proposition	Rev.6	SE	03.00
23	Comments / Observations	Rev.6	EP	03.00
24	Comments / Observations	Rev.6	JP	03.00
25	Comments / Observations	Rev.6	RO	03.00
26	Rapporteur report / Rapport du rapporteur	Rev.6	SE	05.00
27	Decision of the Working Group / Décision du groupe de travail	Rev.7	WG	01.01
28	Rapporteur report / Rapport du rapporteur	Rev.7	SE	05.01

EXCERPT FROM DOCUMENT IPC/WG/4/5/
EXTRAIT DU DOCUMENT IPC/WG/4/5

Project C 371 (mechanical) – Sweden was requested to submit a new rapporteur report.

Projet C 371 (mécanique) – La Suède a été priée de présenter un nouveau rapport en tant que rapporteur.

Swedish Patent and Registration Office

IPC Revision Project C 371, subclass F23B

May 28th, 2001

RAPPORTEUR REPORT (relating to Annex 27)

At IPC/WG/4, Sweden was requested to submit a new Rapporteur Report.

Since no new comments have been received, the purpose of this report is mainly to present the proposal in the standardised order prescribed by the Committee of Experts. This is the only difference in relation to the previous Rapporteur's Proposal (Annex 26) - the wording of the proposed modifications has not been changed. The background to the report and a discussion of previous comments can be found in the previous Annex 26. For easy reference, the right column of the attached proposal contains the corresponding group numbers of Annex 26. As in the previous report, entries that have been questioned in the comments are printed in italics.

Revised transfer notes are not proposed, since the exact transfers can not be found until the project is at a further stage of completion. The definitions for subclass F23B have been made a subject of a "D" project, so they will not be further dealt with in this context.

However, I want to raise a couple of additional points:

1. Is a residual group necessary? The subdivision of apparatus according to the fuel-feeding mechanisms (14/00 - 20/00) appears to be exhaustive, but this subdivision of course only takes one aspect of the apparatus into account. If the subdivision in groups 14/00 - 20/00 is considered exhaustive, then the other groups must of course also be considered superfluous...
2. The indexing scheme remains a part of the proposal. In rapporteur's opinion, the information covered in the indexing scheme will seldom, if ever, be of inventive character. However, the adaptation to a certain type of boiler is something that influences the design of a combustion apparatus and which is useful for search together with the information covered by the classification part of the proposal.
3. It has to be noted that this project is to some extent depending on project C 417, which was suspended by the Committee of Experts at their latest session. Before finalising this project, some decisions must be taken on the borderlines between F23B, F23C and F23G in the field of afterburning.

Anders Bruun

RAPPORTEUR'S PROPOSAL

- C F23B COMBUSTION APPARATUS USING ONLY SOLID FUEL** (for combustion of fuels that are solid at room temperatures, but burned in melted form, e.g. candle wax, C11C, F23C, F23D; using solid fuel suspended in air F23C, F23D 1/00; using solid fuel suspended in liquids F23C, F23D 11/00; using solid fuel simultaneously with or alternatively to fluent fuel F23C, F23D 17/00; *afterburning of flue gases in a separate combustion chamber F23G 7/06*)
- N 10/00 Combustion apparatus characterised by the combination of two or more combustion chambers** (25/00)
- N 12/00 Combustion apparatus specially adapted for portability or transportability** (23/00)
- N 14/00 Combustion apparatus with driven means for agitating the burning fuel; Combustion apparatus with driven means for advancing the burning fuel through the combustion chamber** (17/00)
- N 14/02 . the grate or fuel supporting surface being movable, e.g. vibratable or rotatable, or having movable parts (17/02)
- N 14/04 . . with means for advancing fuel along the fuel-supporting surfaces (17/06)
- N 14/06 . . . with fuel advancing fuel-supporting surfaces (17/08)
- N 14/08 with a fuel-supporting surface which *moves* through the combustion chamber, e.g. with chain grate (17/14)
- N 14/10 *characterised by the fuel moving through different combustion stages, e.g. drying stage, gasifying stage and afterburning stage* (17/16)
- N 14/12 *the fuel supporting surface having* fuel advancing elements that are movable, but remain essentially in the same place, e.g. reciprocating grate bars (17/10)
- N 14/14 *characterised by the fuel moving through different combustion stages, e.g. drying stage, gasifying stage and afterburning stage* (17/12)
- N 14/16 . . with a grate or fuel supporting surface that is rotatable around a horizontal or inclined axis and supporting the fuel on its inside (17/14)
- N 16/00 Combustion apparatus with active means for feeding fuel into the combustion chamber** (14/00 takes precedence) (15/00)
- N 16/02 . the fuel being scattered over the grate (15/08)
- N 16/04 . from below through an opening in the grate or fuel supporting surface (15/06)
- N 16/06 . along the fuel-supporting surface (15/02)
- N 16/08 . . into a pot- or trough-shaped grate (16/04 takes precedence) (15/04)
- N 18/00 Combustion apparatus in which the fuel is fed into or through the combustion zone by gravity, e.g. from a fuel storage situated above the combustion zone** (13/00)
- N 18/02 . the fuel forming a column, stack or thick layer with the combustion zone at its bottom (13/04)
- N 18/04 . . the movement of combustion air and flue gases being substantially transversal to the movement of the fuel (13/12)
- N 18/06 . . the flue gases being removed downwards through one or more openings in the fuel-supporting surface (13/10)
- N 18/08 . . with fuel-deflecting bodies forming free combustion spaces inside the fuel layer (18/06 takes precedence) (13/08)
- N 18/10 . . with the combustion zone at the bottom of fuel-filled conduits ending at the (13/06)

- surface of a fuel bed
- N 18/12 . the fuel being fed to the combustion zone by free fall or by sliding along inclined surfaces, e.g. from a conveyor terminating above the fuel bed (16/02, 18/02 take precedence) (13/02)
- N 20/00 Combustion apparatus without fuel feeding means, in which the fuel burns essentially without moving** (11/00)
- N 20/02 . with combustion air supplied through a grate (11/02)
- N 22/00 Combustion apparatus characterised by means for returning solid combustion residues to the combustion chamber** (21/00)
- N 24/00 Combustion apparatus characterised by means creating a distinct flow path for flue gases or non-combusted gases given off by the fuel*** (19/00)
- N 24/02 . by means for returning flue gases to the combustion chamber (19/06)
- N 24/04 . by means for supplying non-combusted gases liberated from the fuel to the combustion chamber (19/04)
- N 24/06 . by means for guiding the flow of flue gases, e.g. baffles (19/02)
- N 26/00 Combustion apparatus not provided for in groups 10/00 - 24/00** (27/00)
- N Indexing scheme related to adaptation of combustion apparatus to boilers**
- N 101:00 Adaptation of combustion apparatus to boilers in which the combustion chamber is situated inside the boiler vessel, e.g. surrounded by cooled surfaces**
- N 103:00 Adaptation of combustion apparatus for placement in or against an opening of a boiler, e.g. for replacing an oil burner**
- N 103:02 . for producing an essentially horizontal flame
- F23C**
- C 6/04 . in series connection (afterburning of flue gases in a separate combustion chamber F23G 7/06)
- F23G**
- C 7/00 Incinerators or other apparatus specially adapted for consuming particular waste or low grade fuels; e.g. chemicals** (1/00 takes precedence; incinerator closets A47K 11/02 - - -)
- C 7/06 . of waste gases or noxious gases, e.g. exhaust gases (exhaust apparatus for machines, engines in general or combustion engines F01N); Combustion chambers specially adapted for afterburning gaseous products of primary combustion (afterburning in the same combustion chamber as the primary combustion F23B, F23C)



IPC/C 386/97 Rev.1
ORIGINAL: English/French
DATE: May 21, 2001

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 :	US, AP	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :	A 61 G, A 61 H
KIND OF REVISION: TYPE DE RÉVISION :	Clarification of wordings Clarification de libellés		

ANNEX/ ANNEXE	CONTENT/CONTENU		SEE/VOIR C 386/97	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal	/ Demande de révision avec proposition détaillée		US	29.01.97
2	Revision request with detailed proposal	/ Demande de révision avec proposition détaillée		AP	26.02.97
3	Comments	/ Observations		US	07.98
4	Comments	/ Observations		SE	07.98
5	Comments	/ Observations		EP	07.98
6	Comments	/ Observations		CA	07.98
7	Comments	/ Observations		FR	07.98
8	Comments	/ Observations		GB	07.98
9	Comments	/ Observations		DE	02.99
10	Rapporteur report	/ Rapport du rapporteur		US	02.99
11	Decision of the Working Group	/ Décision du groupe de travail	Rev.1	WG	01/01
12	Comments	/ Observations	Rev.1	EP	04.01
13	Comments	/ Observations	Rev.1	RO	04.01
14	Comments	/ Observations	Rev.1	SE	05/01

RAPPORTEUR : US TECHNICAL FIELD/DOMAINE TECHNIQUE : M

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 386/97	ORIGIN/ ORIGINE	DATE
15	Comments / Observations	Rev.1	US	05/01
16	Rapporteur report / Rapport du rapporteur	Rev.1	US	05/01
17	Comments / Observations	Rev.1	DE	05/01

EXCERPT FROM DOCUMENT IPC/WG/4/5/
EXTRAIT DU DOCUMENT IPC/WG/4/5

Project C 386 (mechanical) – Comments were invited on the rapporteur report (see Annex 10 to the project file).

Projet C 386 (mécanique) – Des observations ont été demandées sur le rapport du rapporteur (voir l'annexe 10 du dossier de projet).

Project: 386 **Subclass: A61G, A61H**

We support the consolidated proposal in Annex 10.

H. Mende

OFICIUL DE STAT PENTRU
INVENTII SI MARCI

RO. COMMENTS

Date: 09.04.2001

Page: 1 of 1

Project: **C386**

Class/Subclass **A 61 G & A 61 H**

Comments were invited on the Rapporteur report (Annex 10).

We agree to the Rapporteur report and have no further comments.

Bucura Ionescu

Swedish Patent and Registration Office

IPC Revision Project C 386, subclass A61G

April 27th, 2001

COMMENTS relating to Annex 11

Comments were invited on Annex 10:

Apart from the following points, we support the proposal.

- The word "invalid" should be replaced in the subclass index as well.
- The guide heading before A61G 1/00 says "Ambulance service". Given the widening of group 5/00, and the widening of the technology itself, this is clearly too narrow. Some wider expression has to be found. One alternative is to repeat part of the subclass title. However, a simple and elegant alternative is to just add a horizontal line before 5/00.
- We prefer the first version of 3/02, but "person" should be in plural.
- We prefer the first version of the note after 5/00.
- Given the widening of group 5/00, and the widening of the technology itself, we think more (informative) references should be added in the general vehicle area, classes B60 and B62. There are only seven references in these classes, to rather specific areas. We think this is insufficient.
- All the modifications are indicated with a C in the left margin, while only a small number of the actually involve changes in scope.

Anders Bruun

USPTO COMMENTS	
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PCIPI PROJECT C 386	Date: April 28, 2001
Class/subclass: A61G	

US supports the modifications to Subclass A 61 G that were recommended in the consolidated proposal of Annex 10 of the project file. We also support the related terminology clarifications for other Subclasses that were suggested.

Of the two alternative titles recommended by Rapporteur for group 3/02, we prefer the first suggestion as the new title. It is easier to understand.

Of the two recommended alternatives for the Note after group 5/00 suggested by Rapporteur, we prefer the first suggestion as the new Note.

USPTO RAPPORTEUR REPORT	
PCIPI PROJECT C 386 Class/subclass: A61G	Date: April 29, 2001

This project concerns the proposal submitted by US (Annex 1 of the file) and modified by AP (Annex 2 of the file) for revising terminology in Subclass A61G and specifying the correct location of related subject matter. A Rapporteur Report (Annex 10) was submitted by US which included a consolidated proposal that was based on previous comments from the Revision Working Group. Comments on this Rapporteur Report were invited at the fourth session of the IPC Revision Working Group.

Comments have been received from EP, RO, SE, and US.

Summary of Comments

EP, RO, SE, and US all support the consolidated proposal and agree with the conclusions of the Rapporteur Report.

Both SE and US stated in particular that of the two alternative titles recommended in the consolidated proposal for group 3/02, they preferred the first suggestion as the new title. SE stated, and Rapporteur agrees, that the second occurrence of the term 'person' in this title should be plural. In the attached 'finalize' version of the proposal this title has been selected and the alteration suggested by SE made.

Also, both SE and US stated that of the two recommended alternatives for the Note after group 5/00 suggested in the consolidated proposal, they preferred the first suggestion as the new Note. In the attached 'finalize' version of the proposal this Note has been selected.

Additionally, SE suggested replacing the term "Invalids" in the Subclass index with the term "Disabled Persons". Rapporteur has already agreed with the propriety of this change and it is indicated in the proposal.

SE is also concerned that the Guide Heading before group A61G 1/00 may need modified in view of the changes to the title of group A61G 5/00 and suggest alternatives for correcting this problem. Rapporteur recommends SE's suggestion that a horizontal stop line be placed within the scheme just before group A61G 5/00.

Furthermore, SE noted that all of the modifications are indicated with a C in the left margin and only a few actually involve changes in scope. Rapporteur agrees with this conclusion and has deleted the C next to all of the modifications except the Subclass title of A61G and the title modification for group A61G 5/00.

Additionally, SE has suggested that references to Subclass A61G might be beneficially added to Classes B60 and B62 due to the widening of the scope of group A61G 5/00 and of the technology itself. Rapporteur notes that there are no existing references at these locations to Subclass A61G, even though other existing art in Subclass A61G (see groups 1/007, 1/02, & 3/00)

are also specialized types of vehicle. Rapporteur suggest that the Revision WG may wish to abstain from adding these references until after the defining of their Subclasses is completed.

Rapporteur's Recommendations

The 'finalized' proposal includes all additional changes recommended by the commenting Offices. Rapporteur recommends the adoption of this proposal by the Revision Working Group.

Finalized Proposal Based on Rapporteur's Recommendations with Additions and Modifications to the Existing Text of IPC⁷ Shown in Bold Print

Type	Place	Wording
C	A61G Title	TRANSPORT, PERSONAL CONVEYANCES, OR ACCOMMODATION SPECIALLY ADAPTED FOR DISABLED PERSONS OR PATIENTS ; OPERATING TABLES OR CHAIRS; CHAIRS FOR DENTISTRY; FUNEREAAL DEVICES (chairs or beds in general A 47 C; walking aids A 61 H 3/00, inclined lifts associated with stairways for transporting disabled persons or wheelchairs B 66 B 9/08)
	A61G Subclass Index	MEANS FOR DISPLACING DISABLED PERSONS OR PATIENTS.....1/00 to 7/00
	A61G 1/003	With facilities for picking up disabled persons or patients , e.g.--- belts (devices in general for lifting disabled persons A61G 7/10)
	A61G 3/00	-----; Vehicles with special provisions for disabled persons , e.g.---
	A61G 3/02	Loading or unloading personal conveyances ; Facilitating access of disabled persons to, or exit of disabled persons from, vehicles
	A61G 3/04	Transfer of seated disabled persons by-----
C	A61G 5/00	Chairs or personal conveyances specially adapted for disabled persons, e.g. wheelchairs (chairs with toilet conveniences A 47 K 11/04; devices enabling disabled persons to operate an apparatus or device not forming part of the body A 61 F 4/00 ; running gear or propulsion features B 60 K; bicycles specially adapted for disabled riders B 62 K 3/16)
	Note after A61G 5/00	Chairs for disabled persons having removable seats specially adapted to be transferred with the disabled person to a vehicle and support the disabled person during use of the vehicle are classified in 3/00.
	A61G 5/02	Propelled by the disabled person

Guide heading after A61G 5/14	Beds or accessories for disabled persons ;-----
A61G 7/00	---nursing; Devices for lifting disabled persons (A61F 5/045 takes precedence; stretchers with facilities for picking up disabled persons 1/003)
A61G 7/08	Apparatus for transporting beds
A61G 7/10	Devices for lifting disabled persons , e.g.-----
A61G 7/12	For hoisting the disabled person under the arms-----
A61G 7/14	----- movement of disabled person
A61H Title	---- enabling disabled persons to operate-----
A61H 3/00	----aiding disabled persons to ----
A61H 3/04	--- aids for disabled persons
A61F 4/00	----- devices enabling disabled persons to operate -----

Deutsches Patent- und Markenamt German Patent and Trade Mark Office	Class/Subcl.: A61G
	Date : 08.05.2001
DE - Comments — C 386	

Re: IPC/WG/4/5

Comments were invited on the Rapporteur's proposal (see Annex 10 and Annex ??/
C386, Date: April 29, 2001)

We support the last 'finalized' Rapporteur's proposal from 29 April 2001.

U. Rödiger



IPC/C 389/97 Rev.3
ORIGINAL: English/French
DATE: May 21, 2001

WORLD INTELLECTUAL PROPERTY ORGANIZATION
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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 :	B 61 L
KIND OF REVISION: TYPE DE RÉVISION :	Clarification of wordings Clarification de libellés		

ANNEX/ ANNEXE	CONTENT/CONTENU		SEE/VOIR C 389/97	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal	/ Demande de révision avec proposition détaillée		RU	08.98
2	Comments (re Annex 1)	/ Observations (réf. annexe 1)		EP	08.98
3	Comments (re Annex 1)	/ Observations (réf. annexe 1)		DE	08.98
4	Comments	/ Observations		SE	08.98
5	Comments	/ Observations		US	08.98
6	Comments	/ Observations		CA	08.98
7	Comments	/ Observations		FR	08.98
8	Comments	/ Observations		GB	08.98
9	Rapporteur report	/ Rapport du rapporteur		RU	02.99
10	Rapporteur proposal	/ Proposition du rapporteur		RU	02.99
11	Rapporteur report	/ Rapport du rapporteur	Rev.1	RU	10.99
12	Rapporteur proposal	/ Proposition du rapporteur	Rev.1	RU	10.99
13	Comments	/ Observations	Rev.2	JP	12.99
14	Rapporteur report	/ Rapport du rapporteur	Rev.2	RU	05.00
15	Rapporteur proposal	/ Proposition du rapporteur	Rev.2	RU	05.00

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

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 389/97	ORIGIN/ ORIGINE	DATE
16	Decision of the Working Group / Décision du groupe de travail	Rev.3	WG	01.01
17	Comments / Observations	Rev.3	EP	04.01
18	Comments / Observations	Rev.3	CA	04.01
19	Comments / Observations	Rev.3	RO	04.01
20	Comments / Observations	Rev.3	FR	05/01
21	Comments / Observations	Rev.3	SE	05/01
22	Rapporteur report / Rapport du rapporteur	Rev.3	RU	05/01
23	Rapporteur proposal / Proposition du rapporteur	Rev.3	RU	05/01

EXCERPT FROM DOCUMENT IPC/WG/4/5/
EXTRAIT DU DOCUMENT IPC/WG/4/5

Project C 389 (mechanical) – Comments were invited on the Rapporteur's proposal (see Annex 15 to the project file).

Projet C 389 (mécanique) – Des observations ont été demandées sur la proposition du rapporteur (voir l'annexe 15 du dossier de projet).

Project: C-389 Subclass: B61L

EP agrees with the proposed wording for 23/34 and suggest for 23/18:

"specially adapted for maintaining a safe relationship between vehicles or vehicle trains depending upon speed and traffic density, e.g. in view of track section length"

A.Narminio

The Canadian Intellectual
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Project Number: C389

Date: April 2, 2001

Class/Subclass: B61L

Page 1 of 1

CA agrees with the amendments to 23/18 and 23/34.

R. Gruber

**OFICIUL DE STAT PENTRU
INVENTII SI MĂRCI**

RO COMMENTS

Date:10.04.01

Page: 1 of 1

**Project: IPC C389
Class/Subclass B61L**

Comments were invited on the proposal (Annex 15 on the project file).

We support the Rapporteur's proposal for the wording of 23/18 and 23/34 which better reflects the scope of the subgroups.

N. MUR{RUÔ

Projet IPC / C 389
Sous-classe B 61 L

Au WG 4/5 des observations ont été demandées sur la proposition du rapporteur (annexe 15)

B61L 23/18

Ce nouveau libellé est plus large que celui dans la version existante et permet de classer des équipements embarqués sur les trains ; il nous convient.

B61L 23/34

nous sommes favorables à la modification proposée.

Swedish Patent and Registration Office

IPC Revision Project C 389, subclass B61L

April 27th, 2001

COMMENTS relating to Annex 16

Comments were invited on Annex 15:

We prefer the wording of Annex 12, which is much clearer.

The wording of Annex 15 is unclear - what is "relationship between vehicles or vehicle trains"? What relationship are we talking about - it doesn't have to be a spatial relationship?

The modified wording of Annex 15 also has the result that the example does not fit the title - the title says "in dependence upon speed and traffic density" and the example says "in view of track section length".

The wording of Annex 12 might be improved by modifying the example, for example ", *e.g. by changing the length of track sections*".

Anders Bruun

ANNEX 22

Comments were invited on the Rapporteur's proposal (see Annex 15 to the project file).

Comments have been received from EP, CA, RO, FR and SE.

EP, CA, RO and FR are in favour of the Rapporteur's proposal.

EP suggest to change "in dependence" on "depending" in the wording of subgroup 23/18.

SE prefer the wording of subgroup 23/18 proposed in Annex 12 which might be improved by modifying the example: "e.g. by changing the length of track sections". Besides SE note that the wording of subgroup 23/18 in Annex 15 "relationship between vehicles or vehicle trains" is unclear and that the example does not fit the title.

Rapporteur's opinion

R thinks that the wording of subgroup 23/18 in Annex 15 is more appropriate for a subgroup, subordinated to "Control, warning or like safety means - - -" (the title of main group), than in Annex 12.

As to the SE question concerning the incomprehension of "relationship between vehicles or vehicle trains" R considers that it means safe distance between them and proposes to use "distance" instead of "relationship".

R agrees with SE that the example in the wording of 23/18 (Annex 15) is not correct and proposes to drop it since the title is clear enough without any example.

Taking into account that the wording of subgroup 23/18 in Annex 15 more exactly keeps the primary scope of this group and the most of commenting offices support it, R proposes to adopt it without any example.

Rapporteur's proposal is enclosed.

S. Kovaleva

- 23/18 . . . specially adapted for maintaining a safe distance between vehicles or vehicle trains depending upon speed and traffic density
- 23/34 . for indicating the distance between vehicles or vehicle trains by the transmission of signals therebetween.

S. Kovaleva



IPC/C 416/98 Rev.2
ORIGINAL: English/French
DATE: June 5, 2001

WORLD INTELLECTUAL PROPERTY ORGANIZATION
ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE
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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

ANNEX/ ANNEXE	CONTENT/CONTENU	SEE/VOIR C 416/98	ORIGIN/ ORIGINE	DATE
15	Decision of the Working Group / Décision du groupe de travail	Rev.2	WG	01/01
16	Comments / Observations	Rev.2	CA	06.01
17	Comments / Observations	Rev.2	RO	06.01
18	Comments / Observations	Rev.2	SE	06.01

EXCERPT FROM DOCUMENT IPC/WG/4/5/
EXTRAIT DU DOCUMENT IPC/WG/4/5

Project C 416 (mechanical) – Comments were invited on the counter-proposal submitted by Sweden (see Annex 14 to the project file).

Projet C 416 (mécanique) – Des observations ont été demandées sur la contre-proposition présentée par la Suède (voir l'annexe 14 du dossier de projet).

The Canadian Intellectual
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Project Number: C416

Date: April 2, 2001

Class/Subclass: F16N

Page 1 of 1

CA agrees with the counter-proposal submitted by Sweden (see Annex 14 to the project file) as it is concise and in-line with other >Note= sections found in the IPC.

R. Gruber

**OFICIUL DE STAT PENTRU
INVENTII SI MĂRCI** **Date:10.04.01**

RO COMMENTS
Page: 1 of 1

Project: **IPC C416**

Class/Subclass **F16N**

Comments were invited on the counter-proposal of the Rapporteur.

We agree with the Rapporteur's opinion that the proposal from the Annex 14 (Note and list of places relating to lubrication) is a preferable solution.

N.MUR{ RUÔ

Swedish Patent and Registration Office

IPC Revision Project C 416, subclass F16N

April 27th, 2000

COMMENTS (relating to Annex 15)

Comments were invited on Annex 14.

We support the proposals of Annex 14.

Anders Bruun