

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

**MECHANICAL FIELD/
DOMAINE DE LA MÉCANIQUE**



IPC/C 371/96

ORIGINAL: English/French

DATE: November 15, 2002

**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	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)	GB	01.08.96
3	Comments (re Annex 1) / Observations (réf. annexe 1)	RO	10.96
4	Comments (re Annex 1) / Observations (réf. annexe 1)	DE	15.10.96
5	Comments (re Annex 1) / Observations (réf. annexe 1)	CA	18.10.96
6	Comments with counter-proposal (re Annex 1) / Observations avec contre-proposition (réf. annexe 1)	EP	05.11.96
7	Comments (re Annex 1) / Observations (réf. annexe 1)	FR	11.96
8	Comments (re Annex 6) / Observations (réf. annexe 6)	SE	13.02.97
9	Rapporteur report / Rapport du rapporteur	SE	24.03.97
10	Comments / Observations	JP	30.05.97
11	Rapporteur report / Rapport du rapporteur	SE	05.99
12	Rapporteur proposal / Proposition du rapporteur	SE	05.99
13	Comments / Observations	SE	07.99
14	Decision of the Working Group / Décision du groupe de travail	WG	07.99

RAPPORTEUR : SE TECHNICAL FIELD/DOMAINE TECHNIQUE :

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ANNEX/ ANNEXE	CONTENT/CONTENU	ORIGIN/ ORIGINE	DATE
15	Comments / Observations	EP	10.99
16	Comments / Observations	CA	10.99
17	Comments / Observations	RO	10.99
18	Comments / Observations	FR	11.99
19	Rapporteur report / Rapport du rapporteur	SE	11.99
20	Comments / Observations	JP	12.99
21	Decision of the Working Group / Décision du groupe de travail	WG	12.99
22	Proposal / Proposition	SE	03.00
23	Comments / Observations	EP	03.00
24	Comments / Observations	JP	03.00
25	Comments / Observations	RO	03.00
26	Rapporteur report / Rapport du rapporteur	SE	05.00
27	Decision of the Working Group / Décision du groupe de travail	WG	01.01
28	Rapporteur report / Rapport du rapporteur	SE	05.01
29	Decision of the Working Group / Décision du groupe de travail	WG	08.01
30	Comments / Observations	JP	10.01
31	Comments / Observations	EP	10.01
32	Comments / Observations	RO	10.01
33	Comments / Observations	SE	10.01
34	French version of approved amendments / Version française des modifications approuvées	FR	11.01
35	Rapporteur report / Rapport du rapporteur	SE	11.01
36	Decision of the Working Group / Décision du groupe de travail	WG	01.02
37	Proposal / Proposition	SE	01.02
38	Comments / Observations	JP	04.02
39	Comments / Observations	RO	04.02
40	Comments / Observations	FR	04.02
41	Comments / Observations	EP	04.02
42	Rapporteur report / Rapport du rapporteur	SE	05.02

ANNEX/ ANNEXE	CONTENT/CONTENU		ORIGIN/ ORIGINE	DATE
43	Rapporteur proposal	/ Proposition du rapporteur	SE	05.02
44	French version of approved amendments	/ Version française des modifications approuvées	FR	05.02
45	Decision of the Working Group	/ Décision du groupe de travail	WG	07.02
46	Comments	/ Observations	JP	09.02
47	Comments	/ Observations	GB	09.02
48	Comments	/ Observations	FR	09.02
49	Comments	/ Observations	RO	09.02
50	Comments	/ Observations	CA	10.02
51	French version of approved amendments	/ Version française des modifications approuvées	FR	11.02
52	Comments	/ Observations	ES	11.02
53	Rapporteur report	/ Rapport du rapporteur	SE	11.02

EXCERPT FROM DOCUMENT IPC/WG/7/7/
EXTRAIT DU DOCUMENT IPC/WG/7/7

Project C 371 (mechanical) – The Working Group noted drawings, provided by Sweden, for illustrating subject matter covered by main group F 23 B 18/00 and expressed its gratitude to Sweden for the initiative of introducing drawings in the mechanical area of the IPC. The Working Group noted the ongoing project of introducing illustrating formulae in the chemical area of the IPC and indicated that illustrating drawings would also be very useful in the mechanical and electrical areas as facilitating access to the IPC. The Working Group requested, therefore, its members to consider submission of illustrating drawings in the framework of IPC revision and classification definitions projects.

The Working Group noted that short explanations were provided by Sweden together with the drawings and requested its members to submit such explanations in both English and French languages so as to facilitate introduction of the illustrating material in the electronic layer of the IPC.

Comments were invited on the correctness of the submitted drawings, their presentation, use of explanations and acceptable drawing formats.

The Working Group noted that elaboration of the revised structure of subclass F 23 B had been completed and that its classification structure followed the standardized sequence of main groups in IPC subclasses. The Working Group agreed that the revised subclass F 23 B could represent a model of new subclasses in the reformed IPC and that its structure made possible the use of the top-to-bottom priority rule in this area.

The Working Group noted that the ad hoc IPC Reform Working Group intended to carry out tests of this rule in the revised areas of the IPC and expressed the opinion that subclass F 23 B would also be appropriate for such testing. In this regard, the Delegation of Sweden volunteered to conduct the test in subclass F 23 B by classifying a set of patent documents with the use of the top-to-bottom priority rule and without this rule and to report on the results of the test.

Projet C 371 (mécanique) – Le groupe de travail a pris note des dessins communiqués par la Suède pour illustrer la matière couverte par le groupe principal F 23 B 18/00 et a exprimé ses remerciements à la Suède pour avoir pris l'initiative d'insérer des dessins dans le secteur de la CIB consacré à la mécanique. Le groupe de travail a également pris note du projet en cours visant à insérer des formules chimiques dans le secteur de la CIB consacré à la chimie et a indiqué que des dessins seraient aussi très utiles pour illustrer les secteurs consacrés à la mécanique et à l'électricité afin de faciliter l'accès à la CIB. Le groupe de travail a par conséquent prié ses membres d'envisager la possibilité de communiquer des dessins dans le cadre des projets relatifs à la révision de la CIB et aux définitions de classement.

Le groupe de travail a pris note des explications succinctes fournies par la Suède avec les dessins et a prié ses membres de fournir de telles explications en anglais et en français afin de faciliter l'insertion d'illustrations dans la couche électronique de la CIB.

Des observations ont été demandées sur le bien-fondé des dessins soumis, leur présentation, l'utilisation des explications et les formats acceptables pour ces dessins.

Le groupe de travail a noté que l'élaboration de la structure révisée de la sous-classe F 23 B a été achevée et que la structure de classement suit la séquence normalisée de groupes principaux dans les sous-classes de la CIB. Le groupe de travail a convenu que la sous-classe F 23 B révisée pourrait constituer un modèle pour les nouvelles sous-classes dans la CIB après sa réforme et que sa structure permet d'utiliser la règle de priorité décroissante du haut vers le bas dans ce secteur.

Le groupe de travail a noté que le Groupe de travail ad hoc sur la réforme de la CIB a l'intention de procéder à des essais de cette règle dans les secteurs révisés de la CIB et a estimé que la sous-classe F 23 B est aussi appropriée pour ces essais. À cet égard, la délégation de la Suède s'est offerte de réaliser l'essai dans la sous-classe F 23 B en classant une série de documents de brevets selon la règle de priorité décroissante du haut vers le bas et sans cette règle et de rendre compte des résultats de cet essai.

ANNEX 13E F 23 B [Project-Rapporteur : 371/SE] <SC07022E>

Title	
	--- FUEL (for combustion of fuels that are solid at room temperatures, but burned in melted form, e.g. candle wax, C 11 C , F 23 C, D ; using solid fuel suspended in air F 23 C , F 23 D 1/00 ; using solid fuel suspended in liquids F 23 C , F 23 D 11/00 ; using solid fuel and fluent fuel simultanenously or alternately F 23 C , F 23 D 17/00)
<i>D 1/00</i>	<i>(transferred to 10/00, 14/00 - 26/00)</i>
<i>D 1/02</i>	<i>(transferred to 14/00 - 26/00)</i>
<i>D 1/04</i>	<i>(transferred to 14/00 - 26/00)</i>
<i>D 1/06</i>	<i>(transferred to 14/00 - 26/00)</i>
<i>D 1/08</i>	<i>(transferred to 14/00 - 26/00)</i>
<i>D 1/10</i>	<i>(transferred to 14/00 - 26/00)</i>
<i>D 1/12</i>	<i>(transferred to 10/00)</i>
<i>D 1/14</i>	<i>(transferred to 10/00, 14/00 - 26/00)</i>
<i>D 1/16</i>	<i>(transferred to 14/00, 14/02, 14/06, 14/10 - 20/02)</i>
<i>D 1/18</i>	<i>(transferred to 14/00, 14/02, 14/06 - 14/10, 18/00 - 18/06)</i>
<i>D 1/20</i>	<i>(transferred to 14/00, 14/02, 14/06 - 14/10, 18/00 - 18/06)</i>
<i>D 1/22</i>	<i>(transferred to 14/08)</i>
<i>D 1/24</i>	<i>(transferred to 14/00 - 14/04)</i>
<i>D 1/26</i>	<i>(transferred to 10/00, 14/00 - 18/04, 18/08 - 20/00)</i>
<i>D 1/28</i>	<i>(transferred to 18/00 - 18/12)</i>
<i>D 1/30</i>	<i>(transferred to 14/00 - 20/02, 24/00 - 24/04)</i>
<i>D 1/32</i>	<i>(transferred to 14/00 - 14/04)</i>
<i>D 1/34</i>	<i>(transferred to 10/00, 14/00 - 18/10, 24/00 - 26/00)</i>
<i>D 1/36</i>	<i>(transferred to 18/00 - 18/12)</i>
<i>D 1/38</i>	<i>(transferred to 10/00, 14/00 - 26/00)</i>

D	3/00	(transferred to 12/00)
D	5/00	(transferred to 10/00, 14/00 - 26/00)
D	5/02	(transferred to 14/00 - 18/12, 22/00)
D	5/04	(transferred to 10/00, 14/00 - 26/00)
D	7/00	(transferred to 10/00, 14/00 - 20/02, 24/00 - 26/00)

ANNEXE 13F	F 23 B	[Project-Rapporteur : 371/SE] (T:FR) - SC/06/5	<SC07023F> <SC06052E>
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N	10/00	Appareils à combustion caractérisés par la combinaison d'au moins deux chambres de combustion
N	12/00	Appareils à combustion spécialement adaptés pour pouvoir être portés ou transportés
N	14/00	Appareils à combustion comportant des moyens actionnés pour agiter le combustible qui brûle; Appareils à combustion comportant des moyens pour faire avancer le combustible dans la chambre de combustion
N	14/02	<ul style="list-style-type: none">avec des surfaces mobiles pour supporter le combustible, p.ex. vibrantes; avec des surfaces pour supporter le combustible qui comportent des parties mobiles
N	14/04	<ul style="list-style-type: none">avec des surfaces pour supporter le combustible qui tournent autour d'un axe horizontal ou incliné et dont l'intérieur supporte le combustible, p.ex. des grilles cylindriques
N	14/06	<ul style="list-style-type: none">pour faire avancer le combustible sur ou le long de la surface qui le supporte (14/04 a priorité)
N	14/08	<ul style="list-style-type: none">avec des surfaces pour supporter le combustible qui se déplacent à travers la zone de combustion, p.ex. avec des grilles à chaînes
N	14/10	<ul style="list-style-type: none">avec des surfaces pour supporter le combustible qui comportent des éléments mobiles pour faire avancer le combustible, mais qui restent pratiquement à la même place, p.ex. avec des rouleaux ou des grilles à barreaux à mouvement alternatif
N	16/00	Appareils à combustion comportant des moyens entraînés pour alimenter en combustible la chambre de combustion (14/00 a priorité)
N	16/02	<ul style="list-style-type: none">le combustible étant amené et dispersé sur la surface supportant le combustible
N	16/04	<ul style="list-style-type: none">le combustible étant amené du dessous par une ouverture dans la surface supportant le combustible
N	16/06	<ul style="list-style-type: none">le combustible étant amené le long de la surface supportant le combustible
N	16/08	<ul style="list-style-type: none">le combustible étant amené dans des grilles en forme d'auges ou de godets (16/04 a priorité)
N	18/00	Appareils à combustion dans lesquels le combustible est introduit dans ou à travers la zone de combustion par gravité, p.ex. depuis un stockage de combustible situé au dessus de la zone de combustion

- N 18/02 • le combustible formant une colonne, une pile ou une couche épaisse avec la zone de combustion à sa base
- N 18/04 • • le déplacement de l'air de combustion et des gaz brûlés étant sensiblement transversal par rapport à celui du combustible
- N 18/06 • • les gaz brûlés étant évacués par le bas par au moins une ouverture dans la surface supportant le combustible
- N 18/08 • • avec des déflecteurs de combustible formant des espaces de combustion libres dans la couche de combustible (18/06 a priorité)
- N 18/10 • • la zone de combustion étant située au fond de conduits remplis de combustible se terminant à la surface du lit de combustible
- N 18/12 • le combustible arrivant à la zone de combustion en tombant ou en glissant sur des surfaces inclinées, p.ex. à partir d'un transporteur se terminant au dessus du lit de combustible (16/02, 18/02 ont priorité)
- N 20/00 **Appareils à combustion dans lesquels le combustible brûle pratiquement sans déplacement**
- N 20/02 • l'air de combustion arrivant par une grille
- N 22/00 **Appareils à combustion caractérisés par des moyens pour retourner les résidus de combustion solides vers la chambre de combustion**
- N 24/00 **Appareils à combustion caractérisés par des moyens pour créer un trajet d'écoulement distinct pour les gaz brûlés ou pour les gaz imbrûlés dégagés par le combustible**
- N 24/02 • par des moyens pour retourner les gaz brûlés vers la chambre de combustion ou la zone de combustion
- N 24/04 • par des moyens pour guider la circulation des gaz brûlés, p.ex. des chicanes (24/02 a priorité)
- N 26/00 **Appareils à combustion non prévus dans les groupes 10/00 à 24/00**
- N **Intitulé avant 101/00** **Schéma d'indexation relatif à l'adaptation des appareils à combustion aux chaudières**
- N 101/00 **Adaptation des appareils à combustion aux chaudières dans lesquels la chambre de combustion est située à l'intérieur de la cuve de chaudière, p.ex. entourée par des surfaces froides**
- N 103/00 **Adaptation des appareils de combustion pour les placer dans ou contre l'ouverture d'une chaudière, p.ex. pour remplacer un brûleur à mazout**
- N 103/02 • pour produire une flamme sensiblement horizontale

Japan Patent Office

September 18, 2002

Project: C-371

Subclass: F23B

JP Comments on IPC/WG/7/7

JP supports the drawings of Annex 43 submitted by SE on May 29, 2002, and also prefers to introduce them into the classification scheme.

UK Patent Office

Date: 24 September 2002

Comments on Project C371 , Subclass F23B

We support the drawings of Annex 43 submitted by SE, and are happy to see them introduced into the electronic layer of the IPC. We find it hard, however, to envisage many more subclasses benefiting from similar illustrative drawings, in view of the work involved.

Martin Price

Projet IPC / C **371**
Sous-classe **F23B**

Au IPC /WG/7/7 des observations ont été demandées sur le bien fondé des dessins soumis par la Suède pour illustrer le contenu du F 23B 18/00

Ces dessins schématisent clairement le contenu des sous-groupes et sont utiles pour les chercheurs qui ne connaissent pas suffisamment le domaine technique

OFICIUL DE STAT PENTRU

RO COMMENTS

Date:

Sept. 2002 INVENTII SI MĂRCI

Project: **IPC C371**

Class/Subclass **F23B**

We approve the drawings from Annex 23 proposed by Sweden on May 2002.

We also support the introduction of the drawings in F23B electronic layer.

N.MURARUS

CIPO - OPIC

Canadian Intellectual Property Office - Office de la propriété intellectuelle du Canada

Project Number/ Numéro de Projet: C371

Date: October 8, 2002

Class - Subclass/ Classe - Sous-classe: F23B

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CA supports the concept of illustrating drawings as long as their presentation is simple with enough detail to facilitate access to the IPC; the submission of Sweden was an excellent example.

R. Gruber

Projet IPC / C 371
Sous-classe **F23B**

VERSION FRANÇAISE

Ce document a été établi sur la base de notre proposition, après consultation des autres offices et du Bureau international. (ref : annexe 13E du document IPC/WG/7/7)

F23B

ANNEX	13E	F 23 B	[Project-Rapporteur : 371/SE]	<SC07022E>
	Title	--- SOLIDES (pour la combustion de combustibles solides à la température ambiante mais qui brûlent sous forme fondue, p.ex. paraffine pour bougie, C 11 C, F 23 C, D; utilisant un combustible solide en suspension dans l'air F 23 C, F 23 D 1/00; utilisant un combustible solide en suspension dans des liquides F 23 C, F 23 D 11/00; utilisant un combustible solide et un combustible fluide simultanément ou alternativement F 23 C, F 23 D 17/00)		
D	1/00	(transféré en 10/00, 14/00 à 26/00)		
D	1/02	(transféré en 14/00 à 26/00)		
D	1/04	(transféré en 14/00 à 26/00)		
D	1/06	(transféré en 14/00 à 26/00)		
D	1/08	(transféré en 14/00 à 26/00)		
D	1/10	(transféré en 14/00 à 26/00)		
D	1/12	(transféré en 10/00)		
D	1/14	(transféré en 10/00, 14/00 à 26/00)		
D	1/16	(transféré en 14/00, 14/02, 14/06, 14/10 à 20/02)		
D	1/18	(transféré en 14/00, 14/02, 14/06 à 14/10, 18/00 à 18/06)		
D	1/20	(transféré en 14/00, 14/02, 14/06 à 14/10, 18/00 à 18/06)		
D	1/22	(transféré en 14/08)		
D	1/24	(transféré en 14/00 à 14/04)		
D	1/26	(transféré en 10/00, 14/00 à 18/04, 18/08 à 20/00)		
D	1/28	(transféré en 18/00 à 18/12)		
D	1/30	(transféré en 14/00 à 20/02, 24/00 à 24/04)		
D	1/32	(transféré en 14/00 à 14/04)		
D	1/34	(transféré en 10/00, 14/00 - 18/10, 24/00 à 26/00)		
D	1/36	(transféré en 18/00 à 18/12)		
D	1/38	(transféré en 10/00, 14/00 à 26/00)		
D	3/00	(transféré en 12/00)		
D	5/00	(transféré en 10/00, 14/00 à 26/00)		
D	5/02	(transféré en 14/00 à 18/12, 22/00)		
D	5/04	(transféré en 10/00, 14/00 à 26/00)		

D 7/00 (transféré en 10/00, 14/00 à 20/02, 24/00 à 26/00)

SPANISH PATENT AND TRADEMARK OFFICE

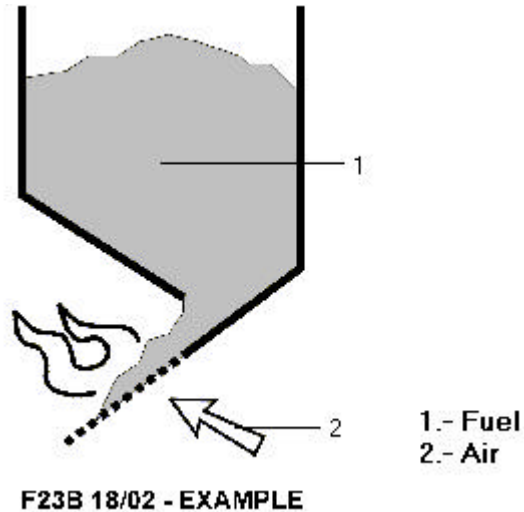
ES comments	
IPC Project: C 371	Date: November 11, 2002
Subclass: F23B	

We also support the introduction of the drawings proposed by SE in the electronic layer of the IPC.

Nevertheless, we think that more complex drawings could be needed in other places of the IPC and in these cases we think that drawings should not contain text. In order to have a uniform format throughout the IPC, we suggest the use of numerical references (See example below).

Furthermore, it would facilitate the electronic publication of the IPC in other languages.

Luis E. Ruiz



Swedish Patent and Registration Office

IPC Revision Project C371, subclass F23B

November 14th, 2002

Rapporteur Report (in response to Annexes 45-50 and 52)

Comments have been received from JP, GB, FR, RO, CA and ES.

IPC/WG/7 noted that short explanations were provided together with the drawings and requested its members to submit such explanations in both English and French languages so as to facilitate introduction of the illustrating material in the electronic layer of the IPC.

- No such explanations have been submitted. **Rapporteur** therefore presumes that the English explanations are correct, and proposes the French explanations "air" (air) and "combustible" (fuel).

Comments were invited on the correctness of the submitted drawings, their presentation, use of explanations and acceptable drawing formats.

Correctness:

- All comments agree that the drawings are correct.

Presentation:

- **CA** state that the presentation should be simple with enough detail to facilitate access to the IPC, and that the submitted drawings are an excellent example.

Use of explanations:

- **ES** state that more complex drawings should not contain text. They instead propose numerical references and give an example of how this could be implemented.
- **Rapporteur** agrees that text in the drawings complicates translation, and requires different images for different language versions. Therefore it should probably be avoided. On the other hand, a text part separate from the figures complicates the presentation. **Rapporteur** suggests that the IB provides a standard template for a "pop-up window" to be used in the electronic version of the IPC. This template should contain a place for an image and a place for numerical references and other text.

Drawing formats:

- No comments were received. **Rapporteur** suggests that drawings, when possible, should be produced and submitted to the IB in vector-graphic format, in order to enable simple future editing, but that a bit-map format should be used in the electronic version of the IPC. The IB should decide on suitable formats. If text is allowed in drawings it will be necessary with a solution that allows separate editing of the texts, i.e. images including text should not be submitted in bit-map format.

Rapporteur offers to edit and resubmit the drawings in accordance with any decisions taken.

IPC/WG/7 noted that the IPC/REF intended to carry out tests in revised areas of the IPC and expressed the opinion that subclass F23B would be appropriate for testing of

the "first place priority rule". SE volunteered to conduct a test in subclass F23B by classifying a set of patent documents with and without the use of the "first place priority rule" and to report on the results of the test.

A set of more than 200 recently published PCT minimum documentation documents (excluding JP, for language reasons) in F23B has been classified. Unfortunately a large number of the documents were misclassified, so around 75% of the documents were irrelevant. At the start of the exercise every document outside F23B was given at least one classification at subclass level, but towards the end of the investigation obviously misclassified documents were simply ignored in order to save time and effort. This left 100 documents, for which classification data will be found in the Annex to this document.

The documents were completely classified in F23B. In many cases they should also have obligatory or non-obligatory classifications in other subclasses, but no effort was spent on this.

The results indicated that the classification of the documents of the set did not differ depending upon the rules. The majority of the documents were first publication level documents, so classification was based on judgement of "invention information". When classifying "claims as a whole" in the relatively few granted patents no difference was noted. However, one complication can be foreseen when classifying "claims as a whole": Groups 14/00 - 20/00 exhaust the subclass as far as the aspect of fuel feeding is concerned. It could be that a granted claim of a document where the novelty and inventive step relate to, for example, exhaust gas recirculation also includes a mentioning of fuel feeding. For a classifier applying "inclusiveness" and "first place priority" in their strictest forms, this mentioning would require an obligatory classification in one of groups 14/00 - 20/00, even in cases where the fuel feeding aspects of the document lack novelty or are disclosed without any technical detail. The "what to classify" rules require classification of non-obvious subcombinations, so the document would still have an obligatory classification in the relevant group (24/02), but it would lead to an unnecessary and counterproductive obligatory classification higher up in the scheme.

Other observations made during the classification test, the work on the corresponding definition project D019 and the recent meeting of IPC/REF

1. Methods

The title of F23B and its main groups only mentions apparatus. During the reform the "implicit scope" of IPC places has been discussed. In view of these discussions it must be considered desirable to clarify also in the scheme that F23B covers methods (as verified during project D019). We suggest the following solution, based on a modified subclass title, the introduction of a group for general methods, and a note describing the classification of methods:

F23B	<i>COMBUSTION USING ONLY SOLID FUEL (- - -</i>
N Note (2) after F23B	<i>In this subclass methods are classified in the groups that cover the apparatus used. Methods that are of general applicability are classified in group 26/00.</i>
N 26/00	<i>Combustion methods of general applicability</i>
N 99/00	<i>Subject matter not otherwise provided for in this subclass</i>

The first sentence of the note is proposed in order to avoid redrafting of all the main group titles, which would in some cases lead to rather awkward wordings, unless the simple solution

of adding a second part to all titles: "***Combustion methods therefor***" is used. The instructions given in the second sentence appear necessary, but Rapporteur considers it as improper use of a residual place to let the note point to the existing 26/00. A group for methods of general applicability should be introduced, while keeping the residual main group (which is renumbered 99/00 and should be reworded according to the standard to be approved by the Committee of Experts).

2. The existing note after F23B

It has been pointed out during definition project D019 that the wording of the existing note is inadequate, since the "fluent nature" of solid fuels can be seen as used in for example apparatus where fuel is fed into the combustion chamber by gravity. Such apparatus should be covered by F23B and not by F23C, which is the only alternative.

Rapporteur proposes to replace the existing note with the following, which mainly mirrors wording used in project D019:

D Note after F23B

N Note (1) after F23B *This subclass only covers combustion wherein the main body of fuel is either essentially stationary during combustion or mechanically transported, as opposed to pneumatically transported or suspended in air, during combustion.*

However, this note might be considered unnecessary in view of the references after F23B.

Anders Bruun

Annex

	Document	Obligatory classification	Non-obligatory classification	Indexing	Comments
1.	CH691507	F23B 22/00			
2.	DE10012895	F23B 14/04	F23B 24/02		
3.	DE10021434	F23B 14/02, F23B 16/04			
4.	DE10021517				Not F23B (F23J)
5.	DE10026517				Not F23B (F02M, F23C)
6.	DE10055053	F23B 18/12, F23B 14/00			
7.	DE10059440				Not F23B (F23D)
8.	DE10112250				Not F23B (F23C)
9.	DE10142444	F23B 18/06, F23B 24/00		F23B 101/00	
10.	DE10149374	F23B 16/04			
11.	DE10149953	F23B16/04		F23B 103/00	
12.	DE19850376	F23B 24/02	F23B 16/06		
13.	DE19851085	F23B 14/10	F23B 16/06		
14.	DE19961155	F23B 20/00, F23B 24/04			
15.	DE19962743				Not F23B (F23C)
16.	DE20113866U	F23B 20/00			
17.	DE20116362U	F23B 16/06	F23B 10/00	F23B 103/00	
18.	DE20201998U	F23B 12/00, F23B 20/00			
19.	EP1022512		F23B 18/12		Not F23B (F24B)
20.	EP1046862	F23B 14/04, F23B 16/06, F23B 18/12, F23B 24/04		F23B 101/00	
21.	EP1085259	F23B 18/02, F23B 24/04			
22.	EP1106918	F23B 24/04, F23B 24/02, F23B 20/02			
23.	EP1116915	F23B 18/06, F23B 24/04		F23B 101/00	
24.	EP1134497	F23B 16/06, F23B 18/12			
25.	EP1158241	F23B 18/06			
26.	EP1191284	F23B 16/04			
27.	EP1209414				Not F23B (F02B, F23C)
28.	FR2794520				Not F23B (F23N, F23L)
29.	FR2806783	F23B 14/02	F23B 18/02		
30.	GB2357138				Not F23B (F23G)
31.	US2001015159				Not F23B (F23J, B01D)
32.	US2001018915				Not F23B (B63C, F23C)
33.	US2001042496				Not F23B (F23J)
34.	US2002053307				Not F23B (F27B)
35.	US2002058221				Not F23B (F23G, F23D)
36.	US2002062769				Not F23B (F23L)
37.	US2002064738				Not F23B (F23D)
38.	US2002066394				Not F23B (F23C, C10L)
39.	US2002068846				Not F23B (F23G)

40.	US2002078868				Not F23B (F23K, F23N)
41.	US2002088442				Not F23B (F02B, F23C)
42.	US2002090583				Not F23B (F23D)
43.	US2002090587				Not F23B (F23D)
44.	US6116898	F23B 16/04			
45.	US6123064	F23B 20/00			
46.	US6145500	F23B 20/00, F23B 24/04		F23B 101/00	
47.	US6199491		F23B 14/08		Not F23B (F23G)
48.	US6223737	F23B 18/12			
49.	US6250235				Not F23B (C10L)
50.	US6269755				Not F23B (F23C)
51.	US6279491				Not F23B (B01D)
52.	US6293208				Not F23B (F23D, F23K)
53.	US6305302				Not F23B (C10B)
54.	US6308701		F23B 24/04, F23B 20/00		Not F23B (F23L, F24B)
55.	US6318277				Not F23B (F23L)
56.	US6325001	F23B 26/00			
57.	US6325003				Not F23B (F23C)
58.	US6332411	F23B 18/00			
59.	US6352040				Not F23B (F23G)
60.	US6352041				Not F23B (F27D)
61.	US6363868				Not F23B (F23C)
62.	US6363869				Not F23B (B01D)
63.	US6394009				Not F23B (A01M)
64.	US6401634				Not F23B (C10L)
65.	US6405662				Not F23B (F23K, B65G)
66.	US6418864				Not F23B (F23G)
67.	US6422159				Not F23B (F23G)
68.	US6425335				Not F23B (F23G)
69.	US6431095				Not F23B (F23C)
70.	US6439138				Not F23B (F23G)
71.	US6443078				Not F23B (F23G, C10G)
72.	US6453889				Not F23B (F02B, F23C)
73.	WO0029788	F23B 14/10, F23B 24/00			
74.	WO0050812	F23B 18/06, F23B 14/00	F23B 18/12		
75.	WO0071937	F23B 14/10, F23B 24/02			
76.	WO0075563	F23B 18/12		F23B 103/02	
77.	WO0075564	F23B 24/04, F23B 20/00			
78.	WO0106177				Not F23B (F23H)
79.	WO0122003	F23B 14/10, F23B 18/12		F23B 103/02	
80.	WO0122004	F23B 14/02	F23B 18/12		
81.	WO0125688	F23B 18/12, F23B 26/00			
82.	WO0125697	F23B 24/00, F23B 16/06		F23B 101/00 F23B 103/00	
83.	WO0134732				Not F23B (F23G, B30B)
84.	WO0138784				Not F23B (F23D)
85.	WO0155642				Not F23B (F23C, F23J)

86.	WO0171253		F23B 18/02, F23B 24/02		Not F23B (F23G)
87.	WO0181828		F23B 14/10		Not F23B (F23H)
88.	WO0183645				Not F23B (C10J)
89.	WO0184048	F23B 18/12		F23B 103/00	
90.	WO0186208	F23B 16/04			
91.	WO0210646				Not F23B (F23G)
92.	WO0214742				Not F23B (C10B)
93.	WO0223090	F23B 18/02	F23B 18/12		
94.	WO0227236				Not F23B (F23D)
95.	WO0229326	F23B 14/04		F23B 103/00	
96.	WO0233317		F23B 14/06		Not F23B (F23L, F23J)
97.	WO0239017	F23B 14/00, F23B 24/00	F23B 18/02		
98.	WO0240618				Not F23B (C10J)
99.	WO0263212				Not F23B (F23D)
100.	WO0268865	F23B 16/06		F23B 103/02	



IPC/C 385/97

ORIGINAL: English/French

DATE: November 18, 2002

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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 :	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :
PT	A 47 J
KIND OF REVISION: TYPE DE RÉVISION :	Clarification of wordings Clarification de libellés

ANNEX/ ANNEXE	CONTENT/CONTENU	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal / Demande de révision avec proposition détaillée	PT	17.01.97
2	Comments / Observations	US	07.98
3	Comments / Observations	SE	07.98
4	Comments / Observations	EP	07.98
5	Comments / Observations	JP	07.98
6	Comments / Observations	CA	07.98
7	Comments / Observations	FR	07.98
8	Comments / Observations	GB	07.98
9	Rapporteur report / Rapport du rapporteur	PT	02.99
10	Decision of the Working Group / Décision du groupe de travail	WG	07.02
11	French version of approved amendments / Version française des modifications approuvées	FR	11.02

RAPPORTEUR : PT TECHNICAL FIELD/DOMAINE TECHNIQUE : M

EXCERPT FROM DOCUMENT IPC/WG/7/7/
EXTRAIT DU DOCUMENT IPC/WG/7/7

ANNEX	16	A 47 J	[Project-Rapporteur : 385/PT]	<SC07029E>
27/08				
36/00				
36/06				
36/10				

- Pressure cookers; Lids or locking devices specially adapted therefor
- **accessories of cooking vessels** (27/00 to 33/00) --- as these parts, details or accessories are restricted to ---
- Lids or covers for cooking vessels (specially adapted for pressure cookers 27/08)
- • --- Lid-locking devices

Projet IPC / C **385**
Sous-classe **A47J**

VERSION FRANÇAISE

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

(ref : annexe 16 du document IPC/WG/7/7)

A47J

ANNEX	16	A 47 J	[Project-Rapporteur : 385/PT]	<SC07029E>
27/08			• Autocuiseurs; Couvercles ou systèmes de verrouillage spécialement adaptés aux autocuiseurs	
36/00			– – –des récipients de cuisson (27/00 à 33/00 – – – utilisation de ces éléments, détails ou accessoires soit limitée – – –	
36/06			• Dessus ou couvercles pour les récipients de cuisson (spécialement adaptés aux autocuiseurs 27/08)	
36/10			• • – – – verrouillage des couvercles	



IPC/C 396/97

ORIGINAL: English/French

DATE: November 1, 2002

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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 K
KIND OF REVISION: TYPE DE RÉVISION :	Clarification of wordings Clarification de libellés		

ANNEX/ ANNEXE	CONTENT/CONTENU		ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal	/ Demande de révision avec proposition détaillée	PT	17.01.97
2	Comments	/ Observations	PT	26.06.97
3	Comments	/ Observations	SE	07.98
4	Comments	/ Observations	RU	07.98
5	Comments	/ Observations	EP	07.98
6	Comments	/ Observations	CA	07.98
7	Comments	/ Observations	FR	07.98
8	Comments	/ Observations	DE	02.99
9	Rapporteur report	/ Rapport du rapporteur	PT	02.99
10	Decision of the Working Group	/ Décision du groupe de travail	WG	07.02
11	French version of approved amendments	/ Version française des modifications approuvées	FR	11.02

RAPPORTEUR : PT

TECHNICAL FIELD/DOMAINE TECHNIQUE : M

EXCERPT FROM DOCUMENT IPC/WG/7/7/
EXTRAIT DU DOCUMENT IPC/WG/7/7

ANNEX	21	E 03 B	[Project-Rapporteur : 396/PT]	<SC07031E>
	9/00	---	or valves per se F 16 K)	
	9/02	•	Hydrants; Arrangement of valves therein; Keys for hydrants	

ANNEX	22	F 16 K	[Project-Rapporteur : 396/PT]	<SC07030E>
	Note(s) after the title			
			<== for irrigation conduits	
<i>N</i>		E 03 B 9/02	<i>Arrangement of valves in hydrants</i>	
		E 03 D	Flushing valves ==>	

Projet IPC / C 396
Sous-classe **F16K**

VERSION FRANÇAISE

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

(ref : annexes 21 & 22 du document IPC/WG/7/7)

F16K

ANNEX 21 E 03 B [Project-Rapporteur : 396/PT] <SC07031E>

9/00 --- robinets ou vannes en soi **F 16 K**)

9/02 • Prises d'eau; Agencement des clapets dans les prises d'eau; Clés pour prises d'eau

ANNEX 22 F 16 K [Project-Rapporteur : 396/PT] <SC07030E>

Note(s) après
le titre

<== canalisations d'irrigation

N **E 03 B 9/02** *Agencement des clapets dans les prises d'eau*

E 03 D Clapets pour systèmes de chasse d'eau
=>



IPC/C 414/98
ORIGINAL: English/French
DATE: November 18, 2002

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

PROPOSAL BY: PROPOSITION DE :	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :
PT	B 30 B
KIND OF REVISION: TYPE DE RÉVISION :	Clarification of wordings Clarification de libellés

ANNEX/ ANNEXE	CONTENT/CONTENU	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal / Demande de révision avec proposition détaillée	PT	12.98
2	Comments / Observations	SE	05.99
3	Comments / Observations	CA	05.99
4	Comments / Observations	RO	05.99
5	Comments / Observations	RU	05.99
6	Comments / Observations	US	05.99
7	Comments / Observations	JP	07.99
8	Comments / Observations	DE	09.99
9	Rapporteur report / Rapport du rapporteur	PT	11.99
10	Decision of the Working Group / Décision du groupe de travail	WG	07.02
11	French version of approved amendments / Version française des modifications approuvées	FR	11.02

RAPPORTEUR : PT TECHNICAL FIELD/DOMAINE TECHNIQUE : M

EXCERPT FROM DOCUMENT IPC/WG/7/7/
EXTRAIT DU DOCUMENT IPC/WG/7/7

ANNEX 27 B 30 B [Project-Rapporteur : 414/PT] <SC07032E>

Title **PRESSES IN GENERAL; PRESSES NOT OTHERWISE PROVIDED FOR** (producing ultra-high ---

D *Note(s) after the title* <Deleted>
11/00

--- **tableting presses** (apparatus for forming or shaping of dough [A 21 C 3/00, 11/00](#); for clay or mixtures containing cement [B 28 B](#); apparatus for shaping of plastic or substances in a plastic state [B 29](#), e.g. for compression moulding [B 29 C 43/00](#), for extrusion moulding [47/00](#))

Projet IPC / C 414
Sous-classe **B30B**

VERSION FRANÇAISE

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

(ref : annexe 27 du document IPC/WG/7/7)

B30B

ANNEX	27	B30B	[Project-Rapporteur : 414/PT]	<SC07032E>
	Titre	PRESSES EN GÉNÉRAL; PRESSES NON PRÉVUES AILLEURS (production des ultra-pressions ---)		
<i>D</i>	<i>Note(s) après le titre 11/00</i>	<Supprimée> --- presses à tablettes (machines ou appareils à façonner ou à former les blocs de pâte A 21 C 3/00, 11/00 ; pour l'argile ou les mélanges contenant du ciment B 28 B ; machines pour façonner les matières plastiques ou les substances à l'état plastique B 29 , p.ex. pour le moulage par pressage B 29 C 43/00 , pour le moulage par extrusion 47/00)		



IPC/C 417/98

ORIGINAL: English/French

DATE: November 18, 2002

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

PROPOSAL BY: PROPOSITION DE :	REVISION OF IPC AREA: RÉVISION DU DOMAINE DE LA CIB :
SE	F 23 C
KIND OF REVISION: TYPE DE RÉVISION :	Creation of subgroups Création de sous-groupes

ANNEX/ ANNEXE	CONTENT/CONTENU	ORIGIN/ ORIGINE	DATE
1	Revision request with detailed proposal / Demande de révision avec proposition détaillée	SE	12.98
2	Comments / Observations	EP	05.99
3	Comments / Observations	CA	05.99
4	Comments / Observations	RO	05.99
5	Comments / Observations	US	05.99
6	Comments / Observations	GB	09.99
7	Rapporteur report / Rapport du rapporteur	SE	09.99
8	Decision of the Working Group / Décision du groupe de travail	WG	03.00
9	Comments / Observations	EP	03.00
10	Comments / Observations	SE	03.00
11	Comments / Observations	RO	03.00
12	Comments / Observations	DE	05.00
13	Comments / Observations	CA	05.00
14	Rapporteur report / Rapport du rapporteur	SE	05.00
15	Comments / Observations	JP	05.00

RAPPORTEUR : SE

TECHNICAL FIELD/DOMAINE TECHNIQUE :

M

ANNEX/ ANNEXE	CONTENT/CONTENU	ORIGIN/ ORIGINE	DATE
16	Decision of the Working Group / Décision du groupe de travail	WG	01.01
17	Comments / Observations	CA	11.01
18	Comments / Observations	EP	11.01
19	Comments / Observations	SE	11.01
20	Comments / Observations	RO	11.01
21	Rapporteur report / Rapport du rapporteur	SE	11.01
22	Decision of the Working Group / Décision du groupe de travail	WG	07.02
23	Comments / Observations	GB	09.02
24	Comments / Observations	FR	09.02
25	Comments / Observations	RO	09.02
26	Comments / Observations	DE	11.02
27	Rapporteur report / Rapport du rapporteur	SE	11.02

EXCERPT FROM DOCUMENT IPC/WG/7/7/
EXTRAIT DU DOCUMENT IPC/WG/7/7

Project C 417 (mechanical) – Comments were invited on (see Annex 30, relating to subclass F 23 C, to this report):

- the correctness of the amended wording of group 7/00 in light of its intended scope and whether the amendment of the wording resulted in the change of scope of the group;
- the correctness of the wording of the new group 13/06, in light of its intended scope;
- where apparatus in which combustion takes place in a fluidised bed of catalytic material should be classified and whether, for example, a group covering such apparatus should be introduced in main group 13/00. It was noted that Sweden intended to submit a proposal relating to such a group;
- whether in the titles of subgroups of the existing group F 23 C 1/00 the word “or” should be replaced by the word “and,” in light of the expression “simultaneously or alternately” used in the title of group F 23 C 1/00.

Projet C 417 (mécanique) – Des observations ont été demandées (voir l’annexe 30 du présent rapport relative à la sous-classe F 23 C) :

- sur l’exactitude du libellé modifié du groupe 7/00 compte tenu de sa portée envisagée et le point de savoir si cette modification a une incidence sur la portée de ce groupe;
- sur l’exactitude du libellé du nouveau groupe 13/06 compte tenu de sa portée envisagée;
- sur le point de savoir où doit être classé un appareil dans lequel la combustion s’effectue dans un lit fluidisé de matériau catalytique et si, par exemple, un groupe couvrant les appareils de ce type doit être introduit dans le groupe principal 13/00. Il a été noté que la Suède prévoit de présenter une proposition sur un tel groupe;
- sur le point de savoir si, dans les titres des sous-groupes du groupe F 23 C 1/00 existant, le mot “ou” doit être remplacé par le mot “et”, compte tenu de l’expression “simultanément ou alternativement” utilisée dans le titre du groupe F 23 C 1/00.

ANNEX 30 F 23 C [Project-Rapporteur : 417/SE] <SC07027E>

C 1/00 *Combustion apparatus specially adapted for combustion of two or --
-- simultaneously or alternately, at least -- -- being fluent
(combustion apparatus characterised by the combination of two or
more combustion chambers 6/00; pilot flame igniters F 23 Q 9/00)*

- C 3/00 --- *combustion chamber* (15/00 takes precedence)
- C 5/00 **Combustion apparatus characterised by the arrangement or mounting of burners**
- C 6/00 --- *combustion chambers*
- C 7/00 **Combustion apparatus characterised by arrangements for air supply** (inlets for fluidisation air 10/20)
- C 9/00 **Combustion apparatus characterised by arrangements for returning combustion products or flue gases to the combustion chamber** (fluidised bed combustion apparatus with means for recirculation of particles entrained from the bed 10/02; fluidised bed combustion apparatus with devices for removal and partial reintroduction of material from the bed 10/26)
- 10/00** **Apparatus in which combustion takes place in a fluidised bed of fuel or other particles**
- C 11/00 --- 1/00 to 10/00, 13/00 or 15/00
- D 11/04 (transferred to 15/00)
- N 13/00 **Apparatus in which combustion takes place in the presence of catalytic material** (radiant gas burners using catalysis for flameless combustion F 23 D 14/18)
- N 13/02 • characterised by arrangements for starting the operation, e.g. for heating the catalytic material to operating temperature
- N 13/04 • characterised by the arrangement of two or more catalytic elements in series connection
- N 13/06 • in which non-catalytic combustion takes place in addition to catalytic combustion, e.g. downstream of a catalytic element
- N 13/08 • characterised by the catalytic material
- N 15/00 **Apparatus in which combustion takes place in pulses influenced by acoustic resonance in a gas mass**

ANNEX 31 F 23 G [Project-Rapporteur : 417/SE] <SC07028E>

- C 7/00 **Incinerators or other apparatus specially adapted for consuming specific waste or low grade fuels, e.g. chemicals** (1/00 takes precedence; incinerator closets A 47 K 11/02; ---)
- N 7/07 • • in which combustion takes place in the presence of catalytic material

UK Patent Office**Date: 24 September 2002**

Comments on Project C417 , Subclass F23C

Comments were invited (see Annex 22) on the following questions. Questions in **bold**, our comments in normal script.

\$ The correctness of the amended wording of group F23C 7/00.

We think the wording is correct and does not introduce a change of scope. The expression **Aair-supply arrangements@** (in the context of F23C) is equivalent to **Acombustion apparatus characterised by arrangements for air supply@**.

\$ The correctness of the wording of the new group F23C 13/06.

We are again happy with the wording.

\$ Combustion taking place in a fluidised bed of catalytic material

Our expert is away for a long time and has not been consulted. Our feeling is, however, that such apparatus would probably be classified in both places (10/00 and 13/00) by the majority of coal-face examiners (in the current situation as at Annex 22), especially since there are no particular classification rules in F23C. Under IPC7, classification would probably be in 10/00 only.

We do not know whether this sort of apparatus is important enough to warrant creating a group; however we note SEs **Aburning@** desire to do so, and they will no doubt provide good justification. The best place appears to be in main group 13/00.

\$ Use of **Aand@ or **Aor@** in subgroups of F23C 1/00, in view of main group title.**

Since F23C 1/00 is directed to combustion of two or more kinds of fuel, it is clear that the processes will use one kind of fuel **and** another kind of fuel, either at the same time or at different times. These kinds of fuel are therefore in an **AND** relationship, and certainly the word **Aand@** makes more sense here than **Aor@**.

We suspect that the kinds of fuel specified in 1/02 to 1/12 were always intended to be separated by the word **Aand@**, but since these terms date back to Edition 1 it would be hard to go back through the mists of time to check whether any discussion took place.

Martin Price

Projet IPC / C 417
Sous-classe **F23C**

Au IPC/WG/7/7 des observations ont été demandées sur :

- **L'exactitude des libellés des groupes F 23C 7/00 et 13/00**

Ces libellés nous conviennent

- **où doit être classé un appareil dans lequel la combustion s'effectue dans un lit fluidisé de matériau catalytique et si un nouveau groupe couvrant ce type d'appareil doit être introduit ?**

Dans ce schéma cet appareil sera classé en F23C 10/00 si l'invention, c'est à dire les éléments nouveaux, concernent le lit fluidisé, en 13/00 si les éléments nouveaux portent sur l'utilisation de matériau catalytique et dans les deux endroits si les éléments nouveaux portent à la fois sur le lit fluidisé et sur l'utilisation de matériau catalytique ou si on ne peut déterminer précisément ce qui est réellement nouveau

- **sur le point de savoir si, dans les titres des sous -groupes du groupe F 23 C 1/00 existant, le mot "ou" doit être remplacé par le mot "et", compte tenu de l'expression "simultanément ou alternativement" utilisée dans le titre du groupe F 23 C 1/00.**

Le terme correct semble être "et" car dans la CIB le terme ou signifie l'un ou bien l'autre ou bien les deux, dans le cas du F23C 1/00 l'utilisation d'un seul combustible est exclu

OFICIUL DE STAT PENTRU

RO COMMENTS

Date: Sept. 2002 INVENTII SI MĂRCI

Project: IPC **417**

Class/Subclass **F23C**

Comments were invited on:

-the correctness of the amended wording of group 7/00

We think the wording is correct. In our opinion the group 7/00 should be a group for **A**Air supply arrangements (Annex 14).

-the correctness of the wording of the new group 13/06

We find that the wording of the group 13/00 is correct.

-apparatus in which combustion takes place in a fluidised bed of catalytic material

The best place for apparatus in which combustion takes place in a fluidised bed of catalytic material should be, in our opinion, the main group 13/00.

-whether in the titles of subgroups of existing group F23C1/00 the word Aor@ should be replaced by the word Aand@

We would like to adopt the word **Aand@**, because **Aor@** suppose only **Aalternately@**

N.MURARUS

DEUTSCHES PATENT- UND MARKENAMT German Patent and Trade Mark Office	Class/Subcl.: F 23 C
	Date : 13.11.2002
DE - Comments — C 417	

Re: **IPC/WG/7/7**

Comments were invited on

- the correctness of the amended wording of group 7/00 in the light of the intended scope and whether the amendment of the wording resulted in the change of scope of the group

We think the amended title of group 7/00 is correct. The case where a combustion apparatus is operated with an air supply specially adapted for but without the combustion apparatus being characterized by this supply might be rather rare and needs not be taken care of.

- the correctness of the wording of the new group 13/06 in the light of its intended scope

We think the title of 13/06 is correct.

- where apparatus in which combustion takes place in a fluidised bed of catalytic material should be classified and whether, for example, a group covering such apparatus should be introduced in main group 13/00

Our examiner in charge of the field in question prefers an entry for combustion taking place in a fluidised bed of catalytic material under 10/00 with a limiting reference after 13/00.

- whether in the titles of subgroups of the existing group F 23 C 1/00 the word 'or' should be replaced by the word 'and', in the light of the expression 'simultaneously or alternately' used in the title of group F 23 C 1/00

The title undoubtedly implies an 'and' and not an 'or' in the subgroups of 1/00. Otherwise the case of only one kind of fuel with each subgroup would be in contradiction to the title of 1/00.

eod

Swedish Patent and Registration Office

IPC Revision Project C417, subclass F23C

November 15th, 2002

RAPPORTEUR REPORT (in response to Annexes 22 - 26)

Comments have been received from GB, FR, RO and DE.

Comments were invited on:

- **The correctness of the amended wording of group 7/00 in light of its intended scope and whether the amendment of the wording resulted in a change of scope of the group:**

All comments agree that the wording is correct and that the amended wording does not result in a change of scope. However, Rapporteur notes that an indication of a change in scope for F23C 7/00 (as given in the Technical Annexes of IPC/W/7) is still necessary, because of other changes.

- **The correctness of the wording of the new group 13/06, in light of its intended scope:**

All comments agree that the wording is correct.

- **Where apparatus in which combustion takes place in a fluidised bed of catalytic material should be classified and whether, for example, a group covering such apparatus should be introduced in main group 13/00:**

Opinions are evenly split:

GB state that classification should probably be done in both 10/00 and 13/00. If a group needs to be created, which they doubt, they say that 13/00 appears to be the better place.

FR state that classification should be made in the main group where the novelty of an invention is reflected, and in both if there is doubt.

RO state that classification should be made in 13/00.

DE prefer the creation of a group in 10/00, with a limiting reference after 13/00.

Rapporteur thinks that classification in both main groups would be similar to "multi-part classification", which has been expressed as undesirable during the Reform. Therefore a solution has to be found. This could be either a reference or a separate group.

Rapporteur personally thinks the novelty in apparatus in which combustion takes place in a fluidised bed of catalytic material more often relate to catalysis rather than fluidisation. Therefore it appears more natural to gather the documents in 13/00.

Is it necessary to introduce a special group? The file size is relatively low, searches in the patent databases indicate around 100 documents. However, the introduction of a new group would enable these documents to be efficiently retrieved without causing negative effects.

IPC/WG should decide on the desirability of a separate group. Rapporteur's proposal (attached) includes two alternatives, one with a special group and one with only a reference.

- **Whether in the titles of subgroups of the existing group F23C 1/00 the word "or" should be replaced by the word "and," in light of the expression "simultaneously or alternately" used in the title of group F23C 1/00:**

All comments agree that "and" should be used. Rapporteur's proposal includes the necessary changes.

Other observations made during the work on the corresponding definition project D020 and the recent meeting of IPC/REF:

The titles of F23C and its main groups only mention apparatus. During the reform the "implicit scope" of IPC places has been discussed. In view of these discussions it must be considered desirable to clarify also in the scheme that F23C covers methods (as verified during project D020). In Rapporteur's proposal you will find an effort at a solution, based on a modified subclass title and a note describing the classification of methods.

It goes far beyond the scope of this project, but it could perhaps also be considered whether a group for general methods should be introduced, similarly to the proposal for F23B in project C371.

Anders Bruun

RAPPORTEUR'S PROPOSAL

F23C:

	1/02	lump <i>and</i> liquid fuel
	1/04	lump <i>and</i> gaseous fuel
	1/06	lump <i>and</i> pulverulent fuel
	1/08	liquid <i>and</i> gaseous fuel
	1/10	liquid <i>and</i> pulverulent fuel
	1/12	gaseous <i>and</i> pulverulent fuel

Alternative 1 (including a new group):

C	10/00	Apparatus in which combustion takes place in a fluidised bed of fuel or other particles (<i>in a fluidised bed of catalytic particles 13/07</i>)
N	13/07	. <i>in which combustion takes place in a fluidised bed of catalytic particles</i>

Alternative 2 (without a new group):

C	10/00	Apparatus in which combustion takes place in a fluidised bed of fuel or other particles (<i>in a fluidised bed of catalytic particles 13/00</i>)
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Proposal for explicitly covering methods in the subclass title and the main groups:

	F23C	COMBUSTION USING FLUENT FUEL (burners F23D; - - -
N	Note after F23C	<i>In this subclass methods are classified in the groups that cover the apparatus used. Methods that are of general applicability are classified in group 11/00.</i>

