



IPC/M 033
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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

MAINTENANCE PROJECT FILE
DOSSIER DE PROJET MAINTENANCE

PROPOSAL BY : PROPOSITION DE :	WG	IPC AREA: DOMAINE DE LA CIB :
RAPPORTEUR :	IB	TECHNICAL FIELD : DOMAINE TECHNIQUE :
		M

ANNEX/ ANNEXE	CONTENT/CONTENU		ORIGIN/ ORIGINE	DATE
1	Rapporteur proposal	Proposition du rapporteur	IB	23.06.2009
2	Comments	Observations	EP	25.08.2009
3	Working Group decision	Décision du groupe de travail	IB	25.08.2009
4	Comments	Observations	JP	27.08.2009
5	Comments	Observations	JP	18.09.2009
6	Comments	Observations	EP	29.09.2009
7	Comments	Observations	SE	20.10.2009
8	Rapporteur proposal	Proposition du rapporteur	IB	13.11.2009

Principal Directorate Patent Grant Automation - Directorate Classification		
Project: M033	Subject:	IPC range: Mechanics
Comments		August 2009

Ref.: Annex 1 (IB proposal) of project file

Removal of references from MECHANICS class titles

Herein below the EPO comments, wherein the **highlight** is used to mark major differences with respect to the original IB proposal.

Class: D01

Reference to	Category	Proposed action	EPO comments
B21	Limiting	- change to "working or processing of metal wire B21F" - move after D01D - move after D01F (D01F 9/08 ?)	we find that subclass B21F is more appropriate and that the reference would impact also D01F; possibly D01F 9/08 could be more specific than D01F

Reference to	Category	Proposed action	EPO comments
<u>C03B 37/00</u>	Limiting	Move to D01D	D01D should be enough as the reference appears already after D01F 9/08 (group relevant for organic fibres)

Class: F02

Reference	Category	Proposed action	EPO comments
cyclically operating valves therefor, lubricating, exhausting, or silencing engines F01	Limiting	Remove disagree - improve the wording and move after F02B: "cyclically operating valves therefor F01L; lubricating internal combustion engines F01M; gas flow silencers or exhaust apparatus therefor F01N; cooling of internal combustion engines F01P"	better to quote properly all limiting references; also the limiting reference for cooling (F01P) is needed

Class: F04

Reference to	Category	Proposed action	EPO comments
<u>A62C 11/00</u>	application	Remove	Should be

			introduced in the Definitions of subclass F04B
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Reference to	Category	Proposed action	EPO comments
<u>A62C 25/00</u>	application	Remove	Should be included in the Definitions of subclass F04B

Reference to	Category	Proposed action	EPO comments
F02B	application	Remove	Should be included in the Definitions of subclass F04B

Reference to	Category	Proposed action	EPO comments
F02M	adaptation	Remove and place in title of subclass F04B,D	--- in the title of F04C (not F04B) and F04D

Class: F24

Reference to	Category	Proposed action	EPO comments
A01G 13/06	Special adaptation	Move to subclass F24F	

Reference to	Category	Proposed action	EPO comments
A21B	Informative	put informative reference “bakers’ ovens” in the Definitions of F24B,C	in the Definitions only, not in the schemes

Class: F28

Reference to	Category	Proposed action	EPO comments
C09K 5/00	Limiting	Move to F28C, D, F (see e.g. the same reference in F28F 23/00)	

Reference to	Category	Proposed action	EPO comments
F24F 13/30	Special adaptation	No action disagreed - move after the titles of subclasses F28D, F28F - include further in the Definitions of F28D and F28F	it seems to be quite a limiting reference

EXCERPT FROM DOCUMENT IPC/WG/21/2
EXTRAIT DU DOCUMENT IPC/WG/21/2

REMOVAL OF NON-LIMITING REFERENCES FROM THE SCHEME

19. Discussions were based on a compilation of project file M 032, and in particular on Annex 45, submitted by the International Bureau, relating to a proposal for the removal of references from class titles.

20. The Working Group agreed that all references in class titles should be removed from the scheme irrespective of their nature. The Working Group also approved, with some modifications, the actions proposed in Annex 45 regarding the placement of the removed references. With respect to the reference to group G21F 9/28 in the title of class B09, the Working Group agreed to add the reference to the list of references in Note 3 of subclass B09B. With respect to the reference to B01D in the title of subclass C02F, the Working Group approved the wording proposed by Sweden in Annex 48. With respect to the references in the title of class C25, the Working Group agreed to move the informative reference to subclass B01D to the subclass definition of subclass C25B, and the informative reference to B23H to the subclass definition of subclass C25D (see Technical Annexes 57 to 110 to this report).

21. For several classes, no agreements could be reached regarding the type of reference (limiting, informative, application place) or where to move it. The Working Group therefore invited comments on those cases and agreed to create the three new maintenance projects M 033 to M 035 for mechanics, electricity and chemistry, respectively. The International Bureau was invited to split said Annex 45 accordingly, and to include therein the questions raised. The Working Group also invited comments on all the actions proposed for the removed references in section F, in addition to the questions reflected in Annex 1 to project M 033.

22. With respect to the reference to class C08 in the title of class C07, Sweden was invited to submit a proposal for a Note in class C07 replacing the reference to class C08 to the newly created maintenance project M 714, with Sweden as Rapporteur.

23. With respect to the removal of non-limiting references from subclasses where definition projects had already been completed by the end of 2007, the Working Group agreed to create three new maintenance projects M 036 to M 038 for mechanics, electricity and chemistry, respectively. The International Bureau was invited to split accordingly Annex 41 to the file M 032 containing several proposals for those subclasses and to complement them with proposals for the remaining subclasses. Following a round of comments, a consolidated proposal should be prepared by the International Bureau for approval by the Task Force.

24. The Secretariat informed the Working Group that Annex 10 to project file WG 191 contained a table summarizing the status of the task of removal of non-limiting references for each subclass, which would be updated after this session in order to take into account the latest decisions.

SUPPRESSION DES RENVOIS NON LIMITATIFS DANS LE SCHÉMA

19. Les délibérations ont eu lieu sur la base d'une synthèse du dossier de projet M 032, et notamment de l'annexe 45, présentée par le Bureau international, concernant une proposition relative à la suppression des renvois dans les titres des classes.

20. Le groupe de travail est convenu que tous les renvois figurant dans les titres des classes devraient être supprimés du schéma, quelle que soit leur nature. Il a également approuvé, sous réserve de certaines modifications, les mesures proposées à l'annexe 45 concernant le placement des renvois supprimés. En ce qui concerne le renvoi au groupe G21F 9/28 figurant dans le titre de la classe B09, le groupe de travail est convenu de l'ajouter à la liste des renvois figurant dans la note 3 de la sous-classe B09B. En ce qui concerne le renvoi à la sous-classe B01D figurant dans le titre de la sous-classe C02F, le groupe de travail a approuvé le libellé proposé par la Suède dans l'annexe 48. En ce qui concerne les renvois figurant dans le titre de la classe C25, le groupe de travail est convenu de transférer le renvoi indicatif à la sous-classe B01D dans la définition de la sous-classe C25B et le renvoi indicatif à la sous-classe B23H dans la définition de la sous-classe C25D (voir les annexes techniques 57 à 110 du présent rapport).

21. Pour plusieurs classes, aucun accord n'a pu être atteint concernant les types de renvoi (renvois de limitation, renvois indicatifs, renvois à des endroits axés sur l'application) et les endroits où les transférer. Le groupe de travail a donc demandé des observations sur ces cas et est convenu de créer les trois nouveaux projets de maintenance M 033 à M 035 pour la mécanique, l'électricité et la chimie, respectivement. Le Bureau international a été invité à scinder l'annexe 45 en conséquence et à y inclure les questions soulevées. Le groupe de travail a également demandé des observations sur toutes les mesures proposées pour les renvois supprimés de la section F, outre les questions indiquées dans l'annexe 1 du projet M 033.

22. En ce qui concerne le renvoi à la classe C08 figurant dans le titre de la classe C07, la Suède a été invitée à soumettre une proposition de note à insérer dans la classe C07 en remplacement du renvoi à la classe C08, dans le cadre du projet de maintenance M 714 nouvellement créé avec la Suède pour rapporteur.

23. En ce qui concerne la suppression des renvois non limitatifs des sous-classes où des projets de définition avaient déjà été achevés à la fin de 2007, le groupe de travail est convenu de créer trois nouveaux projets de maintenance M 036 à M 038 pour la mécanique, l'électricité et la chimie, respectivement. Le Bureau international a été invité à scinder en conséquence l'annexe 41 du dossier M 032 contenant plusieurs propositions relatives à ces sous-classes et à y ajouter des propositions relatives aux sous-classes restantes. À l'issue d'une série d'observations, une proposition de synthèse devrait être établie par le Bureau international aux fins d'approbation par l'équipe d'experts.

24. Le Secrétariat a informé le groupe de travail du fait que l'annexe 10 du dossier de projet WG 191 contenait un tableau récapitulant l'état d'avancement de la tâche relative à la suppression des renvois non limitatifs pour chaque sous-classe, qui serait actualisé après la session en cours afin de tenir compte des dernières décisions prises.

ANNEX 57E A47 [Project-Rapporteur : M033/IB <WG21>
]

CL M Title FURNITURE; DOMESTIC ARTICLES OR APPLIANCES;
COFFEE MILLS; SPICE MILLS; SUCTION CLEANERS IN GENERAL

ANNEXE A47 [Projet-Rapporteur : M033/IB] <WG21>
57F [Tr.:]

CL M Titre AMEUBLEMENT; ARTICLES OU APPAREILS MÉNAGERS;
MOULINS À CAFÉ; MOULINS À ÉPICES; ASPIRATEURS EN GÉNÉRAL

ANNEX 58E A62 [Project-Rapporteur : M033/IB <WG21>
]

CL M Title LIFE-SAVING; FIRE-FIGHTING

ANNEXE A62 [Projet-Rapporteur : M033/IB] <WG21>
58F [Tr.:]

CL M Titre SAUVETAGE; LUTTE CONTRE L'INCENDIE

ANNEX 59E B01 [Project-Rapporteur : M033/IB <WG21>
]

CL M Title PHYSICAL OR CHEMICAL PROCESSES OR APPARATUS
IN GENERAL

**ANNEXE 59F B01 [Projet-Rapporteur : M033/IB] <WG21>
[Tr.:]**

**CL M Titre PROCÉDÉS OU APPAREILS PHYSIQUES OU CHIMIQUES
EN GÉNÉRAL**

**ANNEX 60E B03 [Project-Rapporteur : M033/IB <WG21>
]**

**CL M Title SEPARATION OF SOLID MATERIALS USING LIQUIDS OR
USING PNEUMATIC TABLES OR JIGS; MAGNETIC OR ELECTROSTATIC SEPARATION
OF SOLID MATERIALS FROM SOLID MATERIALS OR FLUIDS; SEPARATION BY HIGH-
VOLTAGE ELECTRIC FIELDS**

**ANNEXE 60F B03 [Projet-Rapporteur : M033/IB] <WG21>
[Tr.:]**

**CL M Titre SÉPARATION DES SOLIDES PAR UTILISATION DE
LIQUIDES OU PAR UTILISATION DE TABLES OU CRIBLES À PISTON
PNEUMATIQUES; SÉPARATION MAGNÉTIQUE OU ÉLECTROSTATIQUE DE
MATÉRIAUX SOLIDES À PARTIR DE MATÉRIAUX SOLIDES OU DE FLUIDES;
SÉPARATION PAR DES CHAMPS ÉLECTRIQUES À HAUTE TENSION**

**ANNEX 61E B05 [Project-Rapporteur : M033/IB <WG21>
]**

**CL M Title SPRAYING OR ATOMISING IN GENERAL; APPLYING
LIQUIDS OR OTHER FLUENT MATERIALS TO SURFACES, IN GENERAL**

ANNEXE B05 [Projet-Rapporteur : M033/IB] <WG21>
61F [Tr.:]

CL	M	Titre	PULVÉRISATION OU ATOMISATION EN GÉNÉRAL; APPLICATION DE LIQUIDES OU D'AUTRES MATÉRIAUX FLUIDES AUX SURFACES, EN GÉNÉRAL

ANNEX 62E B05D [Project-Rapporteur : M033/IB <WG21>

CL	M	Title
		PROCESSES FOR APPLYING LIQUIDS OR OTHER FLUENT MATERIALS TO SURFACES, IN GENERAL (apparatus for applying liquids or other fluent materials to surfaces B05B , B05C ; conveying articles or workpieces through baths of liquid B65G , e.g. B65G 49/02)

ANNEXE B05D [Projet-Rapporteur : M033/IB] <WG21>
62F [Tr.:]

CL M Titre **PROCÉDÉS POUR APPLIQUER DES LIQUIDES OU D'AUTRES MATÉRIAUX FLUIDES AUX SURFACES, EN GÉNÉRAL** (appareils pour appliquer des liquides ou d'autres matériaux fluides aux surfaces **B05B**, **B05C**; transport d'objets ou de pièces à usiner à travers des bains de liquide **B65G**, p.ex. **B65G 49/02**)

ANNEX 63E B07 [Project-Rapporteur : M033/IB <WG21>

CL	M	Title	SEPARATING SOLIDS FROM SOLIDS; SORTING
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ANNEXE B07 [Projet-Rapporteur : M033/IB] <WG21>
63F [Tr.:]

CL	M	Titre	SÉPARATION DES SOLIDES; TRIAGE
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ANNEX 64E B07B [Project-Rapporteur : M033/IB <WG21>
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CL M Title **SEPARATING SOLIDS FROM SOLIDS BY SIEVING, SCREENING, OR SIFTING OR BY USING GAS CURRENTS; OTHER SEPARATING BY DRY METHODS APPLICABLE TO BULK MATERIAL, e.g. LOOSE ARTICLES FIT TO BE HANDLED LIKE BULK MATERIAL** (wet separating processes, sorting by processes using fluent material in the same way as liquid [B03](#); combinations of dry separating apparatus with wet separating apparatus [B03B](#); using liquids [B03B](#), [B03D](#); sorting by magnetic or electrostatic separation of solid materials from solid materials or fluids, separation by high voltage electric fields [B03C](#); centrifuges or vortex apparatus for carrying out physical processes [B04](#); hand sorting, postal sorting, sorting by switching or other devices actuated in response to detection or measurement of some feature of articles or samples of material [B07C](#))

ANNEXE B07B [Projet-Rapporteur : M033/IB] <WG21>
64F [Tr.:]

CL M Titre **SÉPARATION DE DIFFÉRENTS SOLIDES LES UNS DES AUTRES PAR CRIBLAGE, TAMISAGE OU UTILISATION DE COURANTS DE GAZ; AUTRE SÉPARATION PAR VOIE SÈCHE POUR MATÉRIAU EN VRAC, p.ex. POUR DES OBJETS INDIVIDUELS MANIPULABLES COMME UN MATÉRIAU EN VRAC** (procédés de séparation par voie humide, triage par procédés utilisant des matériaux fluents comme des liquides [B03](#); combinaisons d'appareillages de séparation par voie sèche avec des appareillages de séparation par voie humide [B03B](#); par utilisation de liquide [B03B](#), [B03D](#); triage par séparation magnétique ou électrostatique de matériaux solides à partir de matériaux solides ou fluides, séparation par des champs électriques à haute tension [B03C](#); appareils centrifuges ou à vortex pour la mise en œuvre de procédés physiques [B04](#); triage manuel, tri postal, tri par aiguillage ou par d'autres systèmes fonctionnant en réponse à la détection ou à la mesure des caractéristiques des objets ou des échantillons de matériau [B07C](#))

ANNEX 65E B09 [Project-Rapporteur : M033/IB <WG21>
]

CL M Title **DISPOSAL OF SOLID WASTE; RECLAMATION OF CONTAMINATED SOIL**

ANNEXE B09 [Projet-Rapporteur : M033/IB] <WG21>
65F [Tr.:]

CL M Titre ÉLIMINATION DES DÉCHETS SOLIDES; RÉGÉNÉRATION
DE SOLS POLLUÉS

ANNEX 66E B09B [Project-Rapporteur : M033/IB <WG21>
]

1. CL M Note
B09B This subclass covers only single or combined, e.g. multistage, operations not fully classifiable in a single other subclass. [3]
2. In this subclass, the following terms or expressions are used with the meanings indicated:
 - "disposal" means the discarding, e.g. dumping, or destroying of waste or its transformation into something useful or harmless; [3]
 - "solid waste" includes waste which, although it has liquid content, is for practical purposes handled as solid. [3]
3. Attention is drawn to the following places:
 - A23J 1/16 Obtaining proteins from waste water of starch-manufacturing plants or like wastes
 - A23K 1/06 Animal feeding-stuffs from distillers' or brewers' waste
 - A23K 1/08 Animal feeding-stuffs from waste products of dairy plants
 - A23K 1/10 Animal feeding-stuffs from kitchen waste
 - A43B 1/12 Footwear made of rubber waste
 - A61L 11/00 Disinfection or sterilisation methods specially adapted for refuse
 - A62D 3/00 Processes for making harmful chemical substances harmless, or less harmful, by effecting a chemical change in the substances
 - B01D 53/34 Chemical or biological purification of waste gases
 - B02C 18/00 Disintegrating by knives or other cutting or tearing members which chop material into fragments
 - B03B 7/00 Combinations of wet processes or apparatus with other processes or apparatus, e.g. for dressing ores or garbage
 - B03B 9/06 General arrangement of separating plant, e.g. flow sheets, specially adapted for refuse
 - B05B 15/04 Control of spray area of spraying plant, e.g. masking, side shields; Means for collection or re-use of excess material
 - B08B 15/00 Preventing escape of dirt or fumes from the area where they are produced; Collecting or removing dirt or fumes from that area
 - B22F 8/00 Manufacture of articles from scrap or waste metal particles
 - B23D 25/14 Machines or arrangements for shearing stock while the latter is travelling otherwise than in the direction of the cut without regard to the exact dimensions of the resulting material, e.g. for cutting up scrap
 - B24B 55/12 Devices for recovering materials resulting from grinding or polishing [7]

B27B 33/20	Edge trimming saw blades or tools combined with means to disintegrate waste
B29B 17/00	Recovery of plastics or other constituents of waste material containing plastics
B30B 9/32	Presses for consolidating scrap metal or for compacting used cars
B62D 67/00	Systematic disassembly of vehicles for recovery of salvageable components, e.g. for recycling [7]
B63B 17/06	Refuse discharge from vessels, e.g. for ash
B63J 4/00	Arrangements of installations for treating waste water or sewage on vessels
B65F 1/00	Refuse receptacles
B65F 3/00	Vehicles particularly adapted for collecting refuse
B65F 5/00	Gathering or removal of refuse otherwise than by receptacles or vehicles
B65F 7/00	Cleaning or disinfecting devices combined with refuse receptacles or refuse vehicles
C03C 1/00	Ingredients generally applicable to manufacture of glasses, glazes or vitreous enamels [5]
C04B 7/24	Hydraulic cements from oil shales, residues or waste other than slag
C04B 11/26	Calcium sulfate cements made from phosphogypsum or from waste, e.g. purification products of smoke
C04B 18/04	Waste material or refuse used as fillers for mortars, concrete, artificial stone or the like
C04B 33/132	Waste materials or refuse used as compounding ingredients for clay-ware [8]
C05F	Fertilisers from waste or refuse [7]
C08B 16/00	Regeneration of cellulose [7]
C08J 9/33	Agglomerating foam fragments, e.g. waste foam [7]
C08J 11/00	Recovery of waste materials of macromolecular substances
C08L 17/00	Compositions of reclaimed rubber
C09K 11/01	Recovery of luminescent materials [7]
C10B 53/00	Destructive distillation, specially adapted for particular solid raw materials or solid raw materials in special form
C10B 57/00	Other processes not covered before; Features of destructive distillation processes in general
C10G 1/10	Production of liquid hydrocarbon mixtures from rubber or rubber waste
C10G 73/23	Recovery of used solvents [7]
C10L 5/46	Solid fuels essentially based on sewage, house or town refuse
C10L 5/48	Solid fuels essentially based on industrial residues and waste materials
C10M 175/02	Working-up used lubricants based on mineral oils
C11B 13/00	Recovery of fats, fatty oils, or fatty acids from waste materials
C11D 19/00	Recovery of glycerol from a saponification liquor
C12F 3/00	Recovery of by-products
C12F 3/08	Recovery of alcohol from press residues or other waste material
C12P 7/08	Biochemical production of ethanol from waste
C22B 7/00	Working-up raw materials other than ores, e.g. scrap, to produce non-ferrous metals or compounds thereof
C22B 19/28	Obtaining zinc or zinc oxide from muffle furnace residues
C22B 19/30	Obtaining zinc or zinc oxide from metallic residues or scraps
C22B 25/06	Obtaining tin from scrap
C25D 13/24	Regeneration of process liquids used in electrophoretic coating [7]

C25D 21/16	Regeneration of process solutions used in electrolytic coating
D01B	Mechanical treatment of natural fibrous or filamentary material to obtain fibres or filaments, e.g. for spinning
D01C 5/00	Carbonising rags to recover animal fibres
D01F 13/00	Recovery of starting material, waste material or solvents during the manufacture of artificial filaments or the like
D01G 11/00	Disintegrating fibre-containing articles to obtain fibres for re-use
D01H 11/00	Arrangements for confining or removing dust, fly, or the like
D06L 1/10	Regeneration of used chemical baths used for dry-cleaning or washing fibres, fabrics or the like
D21B 1/08	Dry treatment of waste paper or rags for making paper or for the production of cellulose
D21B 1/32	Defibrating waste paper
D21C 5/02	Processes for obtaining cellulose by working-up waste paper
D21C 11/14	Regeneration of pulp liquors by wet combustion
D21F 1/66	Re-use of pulp-water in wet end machines for making continuous webs of paper
D21H 17/01	Waste products added to the pulp or used in paper-impregnating material [5]
E03F	Sewers, cesspools
E04F 17/10	Arrangements in buildings for the disposal of refuse
F23G	Consuming waste by combustion
F23J	Removal or treatment of combustion products or combustion residues
G03C 11/24	Removing emulsion from waste photographic material
G03G 21/10	Collecting or recycling waste developer used in electrography, electrophotography, magnetography
G21F 9/28	Treating radioactively contaminated solids
H01B 15/00	Apparatus or processes for salvaging material from electric cables
H01J 9/52	Recovery of material from discharge tubes or lamps [7]
H01M 6/52	Reclaiming serviceable parts of waste cells or batteries
H01M 10/54	Reclaiming serviceable parts of waste accumulators. [3]

ANNEXE 66F **B09B** **[Projet-Rapporteur : M033/IB] <WG21>**
[Tr.:]

1. CL M Note
B09B La présente sous-classe couvre exclusivement les opérations simples ou combinées, p.ex. à plusieurs stades, qu'il n'est pas possible de classer, dans leur ensemble, dans une seule autre sous-classe. [3]
2. Dans la présente sous-classe, les expressions suivantes ont la signification ci-dessous indiquée:
 - "élimination" comprend la mise en dépôt, p.ex. à la décharge, des déchets, leur destruction ou leur transformation en quelque chose d'utile ou de non nocif; [3]
 - "déchet solide" comprend les déchets qui, bien qu'ils comportent du liquide sont, en pratique, manipulés comme s'il s'agissait de solides. [3]
3. Il est important de tenir compte des classements rappelés ci-après:

- A23J 1/16** Production de protéines à partir des eaux résiduaires de fabriques d'amidon ou de résidus analogues
- A23K 1/06** Produits alimentaires pour animaux, extraits de résidus de distillation ou de brasserie
- A23K 1/08** Produits alimentaires pour animaux, extraits de produits résiduaires de laiteries
- A23K 1/10** Produits alimentaires pour animaux à base de viande, de poisson, d'os ou de déchets de cuisine
- A43B 1/12** Chaussures faites à partir de déchets de caoutchouc
- A61L 11/00** Méthodes de désinfection ou de stérilisation spécialement destinées aux déchets
- A62D 3/00** Procédés pour rendre les substances chimiques nuisibles inoffensives ou moins nuisibles en effectuant un changement chimique dans les substances
- B01D 53/34** Epuration chimique ou biologiques des gaz résiduaires
- B02C 18/00** Désagrégation par couteaux ou autres organes coupants ou déchirants qui transforment le matériau en fragments
- B03B 7/00** Combinaison de procédés ou d'appareils opérant par voie humide avec d'autres procédés ou appareils pour la préparation de minerais ou de résidus
- B03B 9/06** Disposition générale d'un atelier de séparation, p.ex. schéma opératoire, spécialement adapté pour les ordures
- B05B 15/04** Réglage de l'aire de pulvérisation, p.ex. à l'aide de masques; Moyens pour collecter ou réutiliser l'excès de matière
- B08B 15/00** Précautions pour éviter l'échappement des crasses ou des fumées, hors de la zone où elles sont produites: captage ou enlèvement des crasses ou des fumées de cette zone
- B22F 8/00** Fabrication d'objets à partir de déchets ou de particules métalliques résiduaires
- B23D 25/14** Machines ou agencements pour le cisailage de produits bruts se déplaçant autrement que dans la direction de la coupe dans lesquels les dimensions des produits obtenus sont sans importance, p.ex. pour faire des copeaux
- B24B 55/12** Dispositifs pour récupérer des matériaux issus du meulage ou du polissage [7]
- B27B 33/20** Lames de scies ou outils pour délignage, combinés avec des moyens pour déchiqueter les chutes
- B29B 17/00** Récupération de matières plastiques ou d'autres constituants des déchets contenant des matières plastiques
- B30B 9/32** Presses pour rendre compacts des résidus métalliques ou pour comprimer des véhicules usagés
- B62D 67/00** Désassemblage systématique des véhicules pour la récupération des éléments réutilisables, p.ex. pour le recyclage [7]
- B63B 17/06** Évacuation des déchets des navires, p.ex. pour escarbilles
- B63J 4/00** Aménagements des installations de traitements des eaux usées ou d'égout sur des navires
- B65F 1/00** Récipients à ordures
- B65F 3/00** Véhicules spécialement adaptés pour le ramassage des ordures
- B65F 5/00** Mise en tas ou enlèvement des ordures autrement que par des récipients ou des véhicules
- B65F 7/00** Dispositifs de nettoyage ou de désinfection combinés avec des récipients ou des véhicules
- C03C 1/00** Ingrédients généralement utilisés pour la fabrication des verres, glaçures ou émaux vitreux [5]
- C04B 7/24** Ciments hydrauliques produits à partir de schistes bitumineux,

de déchets ou de résidus autres que des scories

C04B 11/26 Ciments de sulfate de calcium produits à partir de phosphogypse ou de déchets, p.ex. à partir des produits de purification de fumées

C04B 18/04 Déchets ou résidus utilisés comme charges pour mortiers béton, pierre artificielle ou analogue

C04B 33/132 Déchets ou résidus utilisés comme ingrédients dans les compositions de produits argileux [8]

C05F Engrais résultant du traitement des immondices [7]

C08B 16/00 Régénération de la cellulose [7]

C08J 9/33 Agglomération de fragments de mousse, p.ex. déchets de mousse [7]

C08J 11/00 Récupération des résidus de substances macromoléculaires

C08L 17/00 Compositions contenant du caoutchouc de récupération

C09K 11/01 Récupération des matières luminescentes [7]

C10B 53/00 Distillation destructive spécialement conçue pour des matières premières solides particulières ou se présentant sous une forme spéciale

C10B 57/00 Caractéristiques générales des procédés de distillation destructive

C10G 1/10 Production de mélanges d'hydrocarbures liquides à partir de caoutchouc ou de déchets de caoutchouc

C10G 73/23 Récupération des solvants utilisés [7]

C10L 5/46 Combustibles solides obtenus principalement à partir de boues d'égouts, d'ordures ménagères, de gadoues

C10L 5/48 Combustibles solides obtenus principalement à partir de déchets ou de résidus industriels

C10M 175/02 Traitements des lubrifiants usagés, à base d'huiles minérales

C11B 13/00 Obtention de graisses, d'huiles ou d'acides gras à partir de résidus

C11D 19/00 Récupération de la glycérine dans les eaux de saponification

C12F 3/00 Récupération de sous-produits

C12F 3/08 Récupération de l'alcool dans les résidus de pressoir ou dans d'autres déchets

C12P 7/08 Production biochimique de l'éthanol préparé à partir de déchets

C22B 7/00 Mise en œuvre de matériaux autres que des minerais, p.ex. des rognures, pour produire des métaux non ferreux ou leurs composés

C22B 19/28 Obtention du zinc ou de l'oxyde de zinc à partir des résidus de fours à mouffles

C22B 19/30 Obtention du zinc ou de l'oxyde de zinc à partir des résidus métalliques ou rognures

C22B 25/06 Obtention de l'étain à partir de rognures

C25D 13/24 Régénération des bains de revêtement électrophorétique [7]

C25D 21/16 Régénération des bains de revêtement électrolytique [7]

D01B Traitement mécanique des matières naturelles fibreuses ou filamenteuses pour la production de fibres ou de filaments, p.ex. pour la filature

D01C 5/00 Carbonisation des chiffons pour récupérer les fibres animales

D01F 13/00 Récupération des matériaux de départ, résidus, ou solvants pendant la fabrication de filaments, ou d'articles similaires, artificiels

D01G 11/00 Désintégration d'articles renfermant des fibres susceptibles d'être réemployées

D01H 11/00 Dispositifs pour confiner ou enlever la poussière, le duvet ou les produits analogues

D06L 1/10 Régénération des bains chimiques usés employés dans le

nettoyage à sec le lavage des fibres, tissus ou produits analogues

D21B 1/08 Traitement à sec des vieux papiers ou des chiffons en vue de la fabrication du papier ou de la cellulose

D21B 1/32 Défibrage humide des vieux papiers

D21C 5/02 Procédés d'obtention de la cellulose à partir de vieux papiers

D21C 11/14 Régénération des liqueurs noires par combustion humide

D21F 1/66 Réutilisation des eaux blanches dans la partie humide des machines à fabriquer le papier en continu

D21H 17/01 Produits de rebut ajoutés à la pâte ou utilisés dans les matériaux d'imprégnation du papier [5]

E03F Egouts; Fosses d'aisances

E04F 17/10 Aménagements des bâtiments pour l'évacuation des ordures

F23G Destruction de déchets par combustion

F23J Enlèvement ou traitement des produits de combustion ou des cendres

G03C 11/24 Enlèvement de l'émulsion de matériaux photographiques gâchés

G03G 21/10 Collecte ou recyclage de développeur récupéré en électrographie, en électrophotographie ou en magnétographie

G21F 9/28 Traitement des solides contaminés par la radioactivité

H01B 15/00 Appareils ou procédés de récupération des matériaux qui constituent les câbles électriques

H01J 9/52 Récupération de matériaux à partir de tubes ou de lampes à décharge [7]

H01M 6/52 Récupération des parties utiles des éléments ou batteries usagés

H01M 10/54 Récupération des parties utiles des accumulateurs usagés. [3]

ANNEX 67E B21 [Project-Rapporteur : M033/IB <WG21>
]

CL M Title MECHANICAL METAL-WORKING WITHOUT ESSENTIALLY
REMOVING MATERIAL; PUNCHING METAL

ANNEXE 67F B21 [Projet-Rapporteur : M033/IB] <WG21>
[Tr.:]

CL M Titre TRAVAIL MÉCANIQUE DES MÉTAUX SANS ENLÈVEMENT
SUBSTANTIEL DE MATIÈRE; DÉCOUPAGE DU MÉTAL À L'EMPORTE-PIÈCE

**ANNEX 68E B23 [Project-Rapporteur : M033/IB <WG21>
]**

**CL M Title MACHINE TOOLS; METAL-WORKING NOT OTHERWISE
PROVIDED FOR**

**ANNEXE B23 [Projet-Rapporteur : M033/IB] <WG21>
68F [Tr.:]**

**CL M Titre MACHINES-OUTILS; TRAVAIL DES MÉTAUX NON PRÉVU
AILLEURS**

**ANNEX 69E B29 [Project-Rapporteur : M033/IB <WG21>
]**

**CL M Title WORKING OF PLASTICS; WORKING OF SUBSTANCES IN
A PLASTIC STATE IN GENERAL**

**ANNEXE B29 [Projet-Rapporteur : M033/IB] <WG21>
69F [Tr.:]**

**CL M Titre TRAVAIL DES MATIÈRES PLASTIQUES; TRAVAIL DES
SUBSTANCES À L'ÉTAT PLASTIQUE EN GÉNÉRAL**

**ANNEX 70E B31 [Project-Rapporteur : M033/IB <WG21>
]**

CL M Title MAKING PAPER ARTICLES; WORKING PAPER

**ANNEXE 70F B31 [Projet-Rapporteur : M033/IB] <WG21>
[Tr.:]**

**CL M Titre FABRICATION D'ARTICLES EN PAPIER; TRAVAIL DU
PAPIER**

**ANNEX 71E B41 [Project-Rapporteur : M033/IB] <WG21>
]**

CL M Titre PRINTING; LINING MACHINES; TYPEWRITERS; STAMPS

**ANNEXE 71F B41 [Projet-Rapporteur : M033/IB] <WG21>
[Tr.:]**

CL M Titre IMPRIMERIE; LIGNARDS; MACHINES À ÉCRIRE; TIMBRES

**ANNEX 72E B67 [Project-Rapporteur : M033/IB] <WG21>
]**

**CL M Titre OPENING OR CLOSING BOTTLES, JARS OR SIMILAR
CONTAINERS; LIQUID HANDLING**

**ANNEXE 72F B67 [Projet-Rapporteur : M033/IB] <WG21>
[Tr.:]**

**CL M Titre OUVERTURE OU FERMETURE DES BOUTEILLES,
BOCAUX OU RÉCIPIENTS ANALOGUES; MANIPULATION DES LIQUIDES**

ANNEX 73E D01 [Project-Rapporteur : M033/IB <WG21>
]

CL M Title NATURAL OR ARTIFICIAL THREADS OR FIBRES;
SPINNING

ANNEXE D01 [Projet-Rapporteur : M033/IB] <WG21>
73F [Tr.:]

CL M Titre FIBRES OU FILS NATURELS OU ARTIFICIELS; FILATURE

ANNEX 74E D01D [Project-Rapporteur : M033/IB <WG21>
]

CL M Title MECHANICAL METHODS OR APPARATUS IN THE
MANUFACTURE OF ARTIFICIAL FILAMENTS, THREADS, FIBRES, BRISTLES, OR
RIBBONS (metal threads [B21](#); fibres or filaments of softened glass, minerals or slag [C03B 37/00](#))

ANNEXE D01D [Projet-Rapporteur : M033/IB] <WG21>
74F [Tr.:]

CL M Titre PROCÉDÉS OU APPAREILS MÉCANIQUES POUR LA
FABRICATION DES FILAMENTS, FILS, FIBRES, SOIES OU RUBANS ARTIFICIELS (fils
métalliques [B21](#); fibres ou filaments de verre, laine minérale ou de scorie [C03B 37/00](#))

ANNEX 75E E01 [Project-Rapporteur : M033/IB <WG21>
]

CL M Title CONSTRUCTION OF ROADS, RAILWAYS, OR BRIDGES

**ANNEXE 75F E01 [Projet-Rapporteur : M033/IB] <WG21>
[Tr.:]**

**CL M Titre CONSTRUCTION DE ROUTES, DE VOIES FERRÉES OU DE
PONTS**

**ANNEX 76E E04 [Project-Rapporteur : M033/IB <WG21>
]**

CL M Titre BUILDING

**ANNEXE 76F E04 [Projet-Rapporteur : M033/IB] <WG21>
[Tr.:]**

CL M Titre BÂTIMENT

**ANNEX 77E F01 [Project-Rapporteur : M033/IB <WG21>
]**

**CL M Titre MACHINES OR ENGINES IN GENERAL; ENGINE PLANTS IN
GENERAL; STEAM ENGINES**

**ANNEXE 77F F01 [Projet-Rapporteur : M033/IB] <WG21>
[Tr.:]**

**CL M Titre "MACHINES" OU MACHINES MOTRICES EN GÉNÉRAL;
ENSEMBLES FONCTIONNELS DE MACHINES MOTRICES EN GÉNÉRAL; MACHINES À
VAPEUR**

**ANNEX 78E F02 [Project-Rapporteur : M033/IB <WG21>
]**

**CL M Title COMBUSTION ENGINES; HOT-GAS OR COMBUSTION-
PRODUCT ENGINE PLANTS**

**ANNEXE F02 [Projet-Rapporteur : M033/IB] <WG21>
78F [Tr.:]**

**CL M Titre MOTEURS À COMBUSTION; ENSEMBLES FONCTIONNELS
DE MOTEURS À GAZ CHAUDS OU À PRODUITS DE COMBUSTION**

**ANNEX 79E F03 [Project-Rapporteur : M033/IB <WG21>
]**

**CL M Title MACHINES OR ENGINES FOR LIQUIDS; WIND, SPRING, OR
WEIGHT MOTORS; PRODUCING MECHANICAL POWER OR A REACTIVE
PROPULSIVE THRUST, NOT OTHERWISE PROVIDED FOR**

**ANNEXE F03 [Projet-Rapporteur : M033/IB] <WG21>
79F [Tr.:]**

**CL M Titre "MACHINES" OU MACHINES MOTRICES À LIQUIDES;
MÉCANISMES MOTEURS À VENT, À RESSORTS, À POIDS; PRODUCTION D'ÉNERGIE
MÉCANIQUE OU DE POUSSÉE PROPULSIVE PAR RÉACTION, NON PRÉVUE
AILLEURS**

**ANNEX 80E F04 [Project-Rapporteur : M033/IB <WG21>
]**

**CL M Title POSITIVE-DISPLACEMENT MACHINES FOR LIQUIDS;
PUMPS FOR LIQUIDS OR ELASTIC FLUIDS**

ANNEXE F04 [Projet-Rapporteur : M033/IB] <WG21>
80F [Tr.:]

CL M Titre **"MACHINES" À LIQUIDES À DÉPLACEMENT POSITIF,
POMPES À LIQUIDES OU À FLUIDES COMPRESSIBLES**

ANNEX 81E F17 [Project-Rapporteur : M033/IB <WG21>
]

CL M Titre **STORING OR DISTRIBUTING GASES OR LIQUIDS**

ANNEXE F17 [Projet-Rapporteur : M033/IB] <WG21>
81F [Tr.:]

CL M Titre **STOCKAGE OU DISTRIBUTION DES GAZ OU DES
LIQUIDES**

ANNEX 82E F21 [Project-Rapporteur : M033/IB <WG21>
]

CL M Titre **LIGHTING**

ANNEXE F21 [Projet-Rapporteur : M033/IB] <WG21>
82F [Tr.:]

CL M Titre **ÉCLAIRAGE**

**ANNEX 83E F22 [Project-Rapporteur : M033/IB <WG21>
]**

CL M Title STEAM GENERATION

**ANNEXE F22 [Projet-Rapporteur : M033/IB] <WG21>
83F [Tr.:]**

CL M Titre PRODUCTION DE VAPEUR

**ANNEX 84E F24 [Project-Rapporteur : M033/IB <WG21>
]**

CL M Title HEATING; RANGES; VENTILATING

**ANNEXE F24 [Projet-Rapporteur : M033/IB] <WG21>
84F [Tr.:]**

CL M Titre CHAUFFAGE; FOURNEAUX; VENTILATION

**ANNEX 85E F27 [Project-Rapporteur : M033/IB <WG21>
]**

CL M Title FURNACES; KILNS; OVENS; RETORTS

ANNEXE 85F **F27** **[Projet-Rapporteur : M033/IB] <WG21>**
[Tr.:]

CL M Titre **FOURS; CORNUES DE DISTILLATION**

ANNEX 86E **F28** **[Project-Rapporteur : M033/IB] <WG21>**
[

CL M Title **HEAT EXCHANGE IN GENERAL**

ANNEXE 86F **F28** **[Projet-Rapporteur : M033/IB] <WG21>**
[Tr.:]

CL M Titre **ÉCHANGEURS DE CHALEUR EN GÉNÉRAL**

JAPAN PATENT OFFICE

August 27, 2009

Project: M033

Subclass:

JP Comment

JP thanks IB for the list of Removal of Informative References from Class Titles for classes for mechanics in this new project M033. JP would like to comment on the following entries therein.

1. Class: B01

Ref. to	Category	Proposed action	Comments/Questions
F27	Limiting	Remove	IB: already in B01L 7/00 SE: Add to B01J and remove reference in B01J 8/00 ?

JP cannot support SE proposal as above. It is not expected to discuss the change of references in subclass titles or lower group titles in the current project. Even if the consideration were made, the reference from B01J 8/00 to F27 is of limiting nature and would not be removable.

2. Class: B21

2-1)

Ref. to	Category	Proposed action	Comments/Questions
B23D	Informative	Remove	US: is limiting ?

JP cannot agree with US opinion that this reference is of limiting nature, since “shearing” in B23D is not the technology that is covered by Class B21.

2-2)

Ref. to	Category	Proposed action	Comments/Questions
B23K	Informative	Move to definitions of B21C,D	SE: add also to definitions of B21L ?

JP supports SE proposal to list the reference to B23K in the definitions of B21L as well as in the definitions of B21C and B21D.

3. Class: B67

Ref. to	Category	Proposed action	Comments/Questions
F17C	Informative	Move to definitions of B67C,D	SE: is application type?

Subclass B67D is a classification for “Dispensing, delivering or transferring liquids, not otherwise provided for.” As such, the reference from B67D to F17C is considered to be the one from Residual Subclass to Non-residual Subclass. Therefore, JP believes that this reference should be listed under the sub-heading of “Places in relation to which this subclass

is residual” in the section of “References relevant to the classification in this subclass (group)” in the definitions of B67D.

4. Class: F04

4-1)

Ref. to	Category	Proposed action	Comments/Questions
F02M	adaptation	Remove and place in title of subclass F04B,D	JP: convert to note in F04 (see proposal in Annex 47) ?

The Comments/Questions, above, do not fully reflect JP opinion in Annex 47, which would have better been summarised as follows.

Comments/Questions
JP: Is limiting? Convert to note in Class F04 (see proposal in Annex 47) <u>and</u> place in title of subclasses F04B, C, D?

4-2)

Ref. to	Category	Proposed action	Comments/Questions
H02K 44/02	Informative	Remove and include in definitions of subclass F04B, D	JP: Is limiting ? Convert to note in F04 (see proposal in Annex 47) <u>and</u> place in title of subclass F04B, D, E ?

The Comments/Questions, above, contain wrong information about JP opinion in Annex 47, which should have appeared as follows. JP believes that this reference may well be placed in the title of subclasses F04B, F04D and F04F.

Comments/Questions
JP: Is limiting? Convert to note in Class F04 (see proposal in Annex 47) <u>and</u> place in title of subclasses F04B, D, F.?

5. Class: F24

Ref. to	Category	Proposed action	Comments/Questions
H05B	Informative	Remove	US: is limiting, move to title of F24D ?

Despite of the US opinion, JP considers this reference to be of informative nature and cannot find any reason why this reference must be retained in the title of subclass F24D. JP supports to simply remove this reference.

[END]

JAPAN PATENT OFFICE

September 18, 2009

Project: M033

Subclass:

JP Comment

Ref.: Annex 1 (IB proposal)

Ref.: Annex 2 (EP comments)

Ref.: Annex 4 (JP comments)

Result of considering EP proposal on Annex 2, JP needs some more comments. In this annex, new comments on EP proposal are added to our previous comments (Annex 4).

1. Class: B01

Ref. to	Category	Proposed action	Comments/Questions
F27	Limiting	Remove	IB: already in B01L 7/00 SE: Add to B01J and remove reference in B01J 8/00 ?

JP cannot support SE proposal as above. It is not expected to discuss the change of references in subclass titles or lower group titles in the current project. Even if the consideration were made, the reference from B01J 8/00 to F27 is of limiting nature and would not be removable.

2. Class: B21

2-1)

Ref. to	Category	Proposed action	Comments/Questions
B23D	Informative	Remove	US: is limiting ?

JP cannot agree with US opinion that this reference is of limiting nature, since “shearing” in B23D is not the technology that is covered by Class B21.

2-2)

Ref. to	Category	Proposed action	Comments/Questions
B23K	Informative	Move to definitions of B21C,D	SE: add also to definitions of B21L ?

JP supports SE proposal to list the reference to B23K in the definitions of B21L as well as in the definitions of B21C and B21D.

3. Class: B67

Ref. to	Category	Proposed action	Comments/Questions
F17C	Informative	Move to definitions of B67C,D	SE: is application type?

Subclass B67D is a classification for “Dispensing, delivering or transferring liquids, not otherwise provided for.” As such, the reference from B67D to F17C is considered to be the one from Residual Subclass to Non-residual Subclass. Therefore, JP believes that this

reference should be listed under the sub-heading of “Places in relation to which this subclass is residual” in the section of “References relevant to the classification in this subclass (group)” in the definitions of B67D.

4. Class D01 [Added comment]

Ref. to	Category	Proposed action	EPO comments
B21	Limiting	- change to "working or processing of metal wire B21F" - move after D01D - move after D01F (D01F 9/08 ?)	we find that subclass B21F is more appropriate and that the reference would impact also D01F; possibly D01F 9/08 could be more specific than D01F

JP agrees with EP comments on reference to B21 in D01.

5. Class: F04

5-1) [Added comment]

Ref. to	Category	Proposed action	EPO comments
A62C 11/00	Application	Remove	Should be introduced in the Definitions of subclass F04B

EPO comments on reference A62C 11/00 in F04 are acceptable to us, however, we would like EP to give us explanation of the reason why this reference should be introduced in the Definitions of subclass F04B ONLY.

“Manually-operated pumps” does not seem to be restricted to classify only into F04B.

If reference to A62C 11/00 is introduced in the Definitions of subclass, JP believe it is better to introduce this reference in all the Definitions of subclass F04B, F04C, F04D and F04F.

5-2) [Added comment]

Ref. to	Category	Proposed action	EPO comments
A62C 25/00	Application	Remove	Should be included in the Definitions of subclass F04B

EPO comments on reference to A62C 25/00 in F04 are acceptable to us, however, we would like EP to give us explanation of the reason why this reference should be introduced in the Definitions of subclass F04B ONLY.

“Power-driven pumps” does not seem to be restricted to classify only into F04B.

If reference to A62C 25/00 is introduced in the Definitions of subclass, JP believe it is better to introduce this reference in all the Definitions of subclass F04B, F04C, F04D and F04F.

5-3) [Added comment]

Ref. to	Category	Proposed action	EPO comments
F02B	Application	Remove	Should be included in the Definitions of subclass F04B

EPO comments on reference to F02B in F04 are acceptable to us, however, we would like EP to give us explanation of the reason why this reference should be introduced in the Definitions of subclass F04B ONLY.

“Charging or scavenging combustion engines by pumps” does not seem to be restricted to classify only into F04B.

If reference to F02B is introduced in the Definitions of subclass, JP believe it is better to introduce this reference in all the Definitions of subclass F04B, F04C, F04D and F04F.

5-4)

Ref. to	Category	Proposed action	Comments/Questions
F02M	adaptation	Remove and place in title of subclass F04B,D	JP: convert to note in F04 (see proposal in Annex 47) ?

The Comments/Questions, above, do not fully reflect JP opinion in Annex 47, which would have better been summarised as follows.

Comments/Questions
JP: Is limiting? Convert to note in Class F04 (see proposal in Annex 47) <u>and</u> place in title of subclasses F04 <u>B</u> , C, D?

[Added comment]

Ref. to	Category	Proposed action	EPO comments
F02M	adaptation	Remove and place in title of subclass F04B,D	--- in the title of F04C (not F04B) and F04D

Since “Reciprocating-piston type” is classified into F02M 59/02, we believe that reference to F02M is placed in the title of subclass F04B, C, and D as we said above.

5-5)

Ref. to	Category	Proposed action	Comments/Questions
H02K 44/02	Informative	Remove and include in definitions of subclass F04B, D	JP: Is limiting ? Convert to note in F04 (see proposal in Annex 47) <u>and</u> place in title of subclass F04B, D, E ?

The Comments/Questions, above, contain wrong information about JP opinion in Annex 47, which should have appeared as follows. JP believes that this reference may well be placed in the title of subclasses F04B, F04D and F04F.

Comments/Questions
JP: Is limiting? Convert to note in Class F04 (see proposal in Annex 47) <u>and</u> place in title of subclasses F04B, D, F.?

6 Class: F24

Ref. to	Category	Proposed action	Comments/Questions
H05B	Informative	Remove	US: is limiting, move to title of F24D ?

Despite of the US opinion, JP considers this reference to be of informative nature and cannot find any reason why this reference must be retained in the title of subclass F24D. JP supports to simply remove this reference.

[END]

EPO - Principal Directorate Patent Grant Automation - Directorate Classification		
Project: M033	Subject: Removal of informative references from class titles	IPC range: Mechanics
Comments		29 September 2009

Ref.: Annex 1 (IB proposal), 4, 5 of project file

Removal of references from MECHANICS class titles, section B

In addition to annex 2 (EP comments on sections D, E, F) the EP comments on section B, wherein the **highlight** is used to mark differences with respect to the IB proposal.

J. Dindorf

Class: B01

Reference to	Category	Proposed action	Comments/Questions
F27	Limiting	Remove	EP: supports the IB proposal

Class: B05

Reference to	Category	Proposed action	Comments/Questions
B08B 3/00	application-oriented	Remove to the definitions of B05D	EP: supports category proposed by SE and proposes a removal to the definitions of B05D

Class: B21

Reference to	Category	Proposed action	Comments/Questions
B22	Informative	Remove	EP: supports IB proposal

Reference to	Category	Proposed action	Comments/Questions
B23D	Informative	Remove	EP: supports IB proposal

Reference to	Category	Proposed action	Comments/Questions
B23K	Informative	Move to definition of B21C,D,L	EP: supports SE and JP comments

Reference to	Category	Proposed action	Comments/Questions
C21D	application-oriented	Move to definitions of B21B, C,D,F	EP: supports SE and JP comments; see C21D8/00, 9/00: ... by deformation

Reference to	Category	Proposed action	Comments/Questions
C22F	application-oriented	Move to definitions of B21B, C,D,F	EP: supports SE and JP comments; see C22F1/00 ... by hot or cold working

Class: B23

Reference to	Category	Proposed action	Comments/Questions
B21D	Informative	Move to definition of B23P	EP: supports IB proposal; reference indicates place to which (only) B23P is residual

Reference to	Category	Proposed action	Comments/Questions
B24	Informative	Move to definition of B23P	EP: supports IB proposal; reference indicates place to which (only) B23P is residual

Class: B29

Reference to	Category	Proposed action	Comments/Questions
A21C	application-oriented	Move to definition of B29C	EP: supports IB proposal and SE comment

Reference to	Category	Proposed action	Comments/Questions
A23G	application-oriented	Move to definition of B29C	EP: supports IB proposal and SE comment

Reference to	Category	Proposed action	Comments/Questions
B28	application-oriented	Move to definition of B29C	EP: supports SE comment and proposal

Reference to	Category	Proposed action	Comments/Questions
C03B	application-oriented	Move to definition of B29C	EP: supports IB proposal and SE comment

Reference to	Category	Proposed action	Comments/Questions
C11C 5/02	application-oriented	Move to definition of B29C	EP: supports SE comment and proposal

Reference to	Category	Proposed action	Comments/Questions
C11D 13/00	application-oriented	Move to definition of B29C	EP: supports SE comment and proposal

Reference to	Category	Proposed action	Comments/Questions
D01D	application-oriented	Move to definition of B29C	EP: supports IB proposal and SE comment

Reference to	Category	Proposed action	Comments/Questions
D01F	application-oriented	Move to definition of B29C	EP: supports IB proposal and SE comment

Reference to	Category	Proposed action	Comments/Questions
D21J	application-oriented	Move to definition of B29C	EP: supports IB proposal and SE comment

Class: B41

Reference to	Category	Proposed action	Comments/Questions
H04N	Informative	Remove	EP: supports IB proposal

Class: B67

Reference to	Category	Proposed action	Comments/Questions
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F17C	Informative	Move to definitions of B67C,D	EP: supports IB proposal and JP comment that reference indicates place to which B67C,D are residual
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Swedish Patent and Registration Office

IPC Maintenance Project M033

October 20th, 2009

Comments

SE comments can be found in the right column!

Class: F01

Reference to	Category	Proposed action	Comments/Questions
F02	Special adaptation / Informative	Remove	Limiting, move to F01B – F01D!

Reference to	Category	Proposed action	Comments/Questions
F03	Special adaptation / Informative	Remove	Limiting, move to F01B – F01D!

Reference to	Category	Proposed action	Comments/Questions
F04	Special adaptation / Informative	Remove	Limiting, move to F01B – F01D!

Class: F02

Reference to	Category	Proposed action	Comments/Questions
F01	Limiting	Remove	Limiting, and rather unspecific. Change to (cyclically operating valves F01L, lubrication F01M, gas flow silencers or exhaust apparatus F01N) and move to F02B!

Class: F03

Reference to	Category	Proposed action	Comments/Questions
F01	Limiting	Remove	OK!

Reference to	Category	Proposed action	Comments/Questions
F04	Limiting	Remove	OK!

Class: F04

Reference to	Category	Proposed action	Comments/Questions
A62C 11/00	application	Remove	OK!

Reference to	Category	Proposed action	Comments/Questions
A62C 25/00	application	Remove	OK!

Reference to	Category	Proposed action	Comments/Questions
F02B	application	Remove	OK!

Reference to	Category	Proposed action	Comments/Questions
F02M	adaptation	Remove and place in title of subclass F04B,D	Application, move to definitions!

Reference to	Category	Proposed action	Comments/Questions
H01J 41/12	Informative	Remove and include in definition of subclass F04B, D	Limiting, move to F04B and F04D!

Reference to	Category	Proposed action	Comments/Questions
H02K 44/02	Informative	Remove and include in definition of subclass F04B, D	Limiting, move to F04B and F04D!

Class: F17

Reference to	Category	Proposed action	Comments/Questions
E03B	Limiting	Remove and put reference "distributing water" in F17D	OK!

Class: F21

Reference to	Category	Proposed action	Comments/Questions
H01J	Limiting	Remove and include in titles of subclasses F21L,S; include in definition of F21K	OK!

Reference to	Category	Proposed action	Comments/Questions
H01K	Limiting	Remove and include in titles of subclasses F21L,S; include in definition of F21K	OK!

Reference to	Category	Proposed action	Comments/Questions
H05B	Limiting	Remove	Move to titles of subclasses F21L and F21S, include in definition of F21K! (The note in F21 does not refer to light sources)

Class: F22

Reference to	Category	Proposed action	Comments/Questions
B01J	Informative	Remove and include in definition of subclass F22B IB: B01J 7/00 would be the proper reference	OK!

Reference to	Category	Proposed action	Comments/Questions
C	Informative	Remove	OK!
F23J	Limiting	Could be Remove (see the same reference in group F22B 37/48)	Limiting, move to F22B and F22G! The correct destination is F23J 3/00. The reference in F22B 37/48 is informative, since it refers to a "gas side" group in a "water side" group.

Reference to	Category	Proposed action	Comments/Questions
F23R	Informative	Remove and include in	OK, but is of little value and could

		definition of subclass F22B	be removed completely!
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Reference to	Category	Proposed action	Comments/Questions
F24H	Informative	Remove and include in definition of subclass F22B	OK!

Reference to	Category	Proposed action	Comments/Questions
F28	Informative	Remove and include in definition of subclass F22B	OK!

Reference to	Category	Proposed action	Comments/Questions
F28G	Limiting	Could be Remove (see the same reference in group F22B 37/10 and 37/48)	Informative, move to definitions of F22B and F22G! Points from an application place to a more general place, see reference pointing back from F28G!

Class: F24

Reference to	Category	Proposed action	Comments/Questions
A01G 13/06	Special adaptation	Move to subclass F24F	Application, move to F24B, F24C and F24H definitions!

Reference to	Category	Proposed action	Comments/Questions
A21B	Informative	put informative reference “bakers’ ovens” in F24B,C	OK, move to F24B and F24C definitions!

Reference to	Category	Proposed action	Comments/Questions
A47J	Informative	Remove, put as informative reference in definitions of F24B,C	OK!

Reference to	Category	Proposed action	Comments/Questions
B21J	Informative	Remove	OK!

Reference to	Category	Proposed action	Comments/Questions
B21K	Informative	Remove	OK!

Reference to	Category	Proposed action	Comments/Questions
B60-B64	Special adaptation	Remove	OK, but should be moved to definitions of F24H and refined to B60H 1/00, B61D 27/00, B63J 2/00, B64D 13/00!

Reference to	Category	Proposed action	Comments/Questions
F23	Informative	Remove	OK, even though the reference isn't 100% informative. It should be moved to the definitions of F24B and F24C. The relationship merits more than a simple reference anyway...

Reference to	Category	Proposed action	Comments/Questions
F26B	Informative	Remove	OK!

Reference to	Category	Proposed action	Comments/Questions
F27	Informative	Remove	Move to definitions for F24B and F24C!

Reference to	Category	Proposed action	Comments/Questions
H05B	Informative	Remove	Limiting. Is there already in F24C 7/00, but should be added to F24C 15/00. Should be moved to F24D and F24H.

Class: F27

Reference to	Category	Proposed action	Comments/Questions
A21B	Special adaptation / Limiting	Move to definition of subclass F27B	OK!

Reference to	Category	Proposed action	Comments/Questions
C03B	Special adaptation	Move to definition of subclass F27B	OK!

Reference to	Category	Proposed action	Comments/Questions
C10B	Special adaptation	Move to definition of subclass F27B	OK!

Reference to	Category	Proposed action	Comments/Questions
C10J	Special adaptation	Move to definition of subclass F27B	OK!

Reference to	Category	Proposed action	Comments/Questions
C10G	Special adaptation	Move to definition of subclass F27B	OK!

Reference to	Category	Proposed action	Comments/Questions
C21B	Special adaptation	Move to definition of subclass F27B	OK!

Reference to	Category	Proposed action	Comments/Questions
C21C	Special adaptation	Move to definition of subclass F27B	OK!

Reference to	Category	Proposed action	Comments/Questions
C21D	Special adaptation	Move to definition of subclass F27B	OK!

Reference to	Category	Proposed action	Comments/Questions
C22B 9/00	Special adaptation	Move to definition of subclass F27B	OK!

Reference to	Category	Proposed action	Comments/Questions
C23D	Special adaptation	Move to definition of subclass F27B	OK!

Reference to	Category	Proposed action	Comments/Questions
F23	Informative	Remove	Limiting, move to F27B and F27D!

Reference to	Category	Proposed action	Comments/Questions
H05B	Informative	Remove	Limiting, move to F27B and F27D. Should say "electric heating elements or arrangements" like in F24!

Class: F28

Reference to	Category	Proposed action	Comments/Questions
C09K 5/00	Limiting	Move to F28C, D, F (see e.g. the same reference in F28F 23/00)	OK!

Reference to	Category	Proposed action	Comments/Questions
F24F 13/30	Special adaptation	No action	Application-type, move to definitions of F28D, F28F!

Anders Bruun

WIPO – International Bureau

M033 – CONSOLIDATED PROPOSALS

REMOVAL OF INFORMATIVE REFERENCES FROM CLASS TITLES

Classes for Mechanics

At WG/21, it was agreed to remove all references from class titles, and either move them to subclass titles, to definitions of subclasses or delete them. For several classes, no agreements could be reached regarding the type of reference (limiting, informative, application place) or where to move it.

As indicated in Annex 3, comments were invited on all actions proposed for removed references in section F, in addition to the questions reflected in Annex 1 to project M 033.

Please find below the consolidated proposal prepared by the International Bureau, taken into account comments submitted by EP, JP, and SE.

Class: B01

Reference to	Category	Proposed action	Comments/Questions
F27	Limiting	<i>Remove</i> IB: already in B01L 7/00	

Class: B05

Reference to	Category	Proposed action	Comments/Questions
B08B 3/00	Special adaptation	<i>Remove and add to B05D Definitions</i>	

Class: B21

Reference to	Category	Proposed action	Comments/Questions
B22	Informative	<i>Remove</i>	

Reference to	Category	Proposed action	Comments/Questions
B23D	Informative	<i>Remove</i>	

Reference to	Category	Proposed action	Comments/Questions
B23K	Informative	<i>Move to definition of B21C,D,L</i>	

Reference to	Category	Proposed action	Comments/Questions
C21D	Special adaptation	<i>Move to definition of B21B,C,D,F</i>	

Reference to	Category	Proposed action	Comments/Questions
C22F	Special adaptation	<i>Move to definition of B21B,C,D,F</i>	

Class: B23

Reference to	Category	Proposed action	Comments/Questions
B21D	Informative	<i>Move to definition of B23P</i>	

Reference to	Category	Proposed action	Comments/Questions
B24	Informative	<i>Move to definition of B23P</i>	

Class: B29

Reference to	Category	Proposed action	Comments/Questions
A21C	Special adaptation	<i>Move to definition of B29C</i>	

Reference to	Category	Proposed action	Comments/Questions
A23G	Special adaptation	<i>Move to definition of B29C</i>	

Reference to	Category	Proposed action	Comments/Questions
B28	Special adaptation	<i>Move to definition of B29C</i>	

Reference to	Category	Proposed action	Comments/Questions
C03B	Special adaptation	<i>Move to definition of B29C</i>	

Reference to	Category	Proposed action	Comments/Questions
C11C 5/02	Special adaptation	<i>Move to definition of B29C</i>	

Reference to	Category	Proposed action	Comments/Questions
C11D 13/00	Special adaptation	<i>Move to definition of B29C</i>	

Reference to	Category	Proposed action	Comments/Questions
D01D	Special	<i>Move to definition of B29C</i>	

	adaptation		
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Reference to	Category	Proposed action	Comments/Questions
D01F	Special adaptation	<i>Move to definition of B29C</i>	

Reference to	Category	Proposed action	Comments/Questions
D21J	Special adaptation	<i>Move to definition of B29C</i>	

Class: B41

Reference to	Category	Proposed action	Comments/Questions
H04N	Informative	<i>Remove</i>	

Class: B67

Reference to	Category	Proposed action	Comments/Questions
F17C	Informative	<i>Move to definitions of B67C,D</i> under the sub-heading of “Places in relation to which this subclass is residual” in the section of “References relevant to the classification in this subclass (group)” in the definitions of B67C, D	

Class: D01

Reference to	Category	Proposed action	Comments/Questions
B21 WG/21 approved	Limiting	<i>Move to D01D and D01F and change to "working or processing of metal wire B21F"</i> <i>- move after D01D</i> <i>- move after D01F</i> <i>(D01F 9/08 ?)</i>	
<u>C03B 37/00</u> WG/21 approved	Limiting	<i>Move to D01D</i>	
D02	Informative	<i>Remove</i>	

Class: E04

Reference to	Category	Proposed action	Comments/Questions
B32B	Informative	Remove and replace by a standard note “layered products classified in this class are also classified in subclass B32B”	

Class: F01

Reference to	Category	Proposed action	Comments/Questions
F02	Special adaptation / Limiting	<i>Move to F01B to F01D</i>	

Reference to	Category	Proposed action	Comments/Questions
F03	Special adaptation / Limiting	<i>Move to F01B to F01D</i>	

Reference to	Category	Proposed action	Comments/Questions
F04	Special adaptation / Limiting	<i>Move to F01B to F01D</i>	

Class: F02

Reference to	Category	Proposed action	Comments/Questions
F01	Limiting	<i>Improve the wording and move after F02B: "cyclically operating valves therefor F01L; lubricating internal combustion engines F01M; gas flow silencers or exhaust apparatus therefor F01N; cooling of internal combustion engines F01P"</i>	

Class: F03

Reference to	Category	Proposed action	Comments/Questions
F01	Limiting	<i>Remove</i>	

Reference to	Category	Proposed action	Comments/Questions
F04	Limiting	<i>Remove</i>	

Class: F04

Reference to	Category	Proposed action	Comments/Questions
A62C 11/00	Special	<i>Remove</i>	

	adaptation		
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Reference to	Category	Proposed action	Comments/Questions
A62C 25/00	Special adaptation	<i>Remove</i>	

Reference to	Category	Proposed action	Comments/Questions
F02B	Special adaptation	<i>Remove</i>	

Reference to	Category	Proposed action	Comments/Questions
F02M	Special adaptation	<i>Remove and place in title of subclass F04B, C, D</i>	

Reference to	Category	Proposed action	Comments/Questions
H01J 41/12	Limiting	<i>Remove and add in the titles of subclass F04B, D</i>	

Reference to	Category	Proposed action	Comments/Questions
H02K 44/02	Limiting	<i>Remove and add in the titles of subclass F04B, D</i>	

Class: F17

Reference to	Category	Proposed action	Comments/Questions
E03B	Limiting	<i>Remove and put reference “distributing water” in F17D</i>	

Class: F21

Reference to	Category	Proposed action	Comments/Questions
H01J	Limiting	<i>Remove and include in titles of subclasses F21L,S; and include in definition of F21K</i>	

Reference to	Category	Proposed action	Comments/Questions
H01K	Limiting	<i>Remove and include in titles of subclasses F21L,S; and include in definition of F21K</i>	

Reference to	Category	Proposed action	Comments/Questions
H05B	Limiting	<i>Remove and include in titles of subclasses F21L,S; and include in definition of F21K</i>	

Class: F22

Reference to	Category	Proposed action	Comments/Questions
B01J	Informative	<i>Remove and include in definition of subclass F22B</i>	

Reference to	Category	Proposed action	Comments/Questions
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C	Informative	Remove	
F23J	Limiting	Move to F22B, F22G	

Reference to	Category	Proposed action	Comments/Questions
F23R	Informative	Remove and include in definition of subclass F22B	

Reference to	Category	Proposed action	Comments/Questions
F24H	Informative	Remove and include in definition of subclass F22B	

Reference to	Category	Proposed action	Comments/Questions
F28	Informative	Remove and include in definition of subclass F22B	

Reference to	Category	Proposed action	Comments/Questions
F28G	Limiting	Move to F22B, F22G	

Class: F24

Reference to	Category	Proposed action	Comments/Questions
A01G 13/06	Special adaptation	Remove and add to F24B, C, H definitions	

Reference to	Category	Proposed action	Comments/Questions
A21B	Informative	Remove and put informative reference “bakers’ ovens” in F24B,C definitions	

Reference to	Category	Proposed action	Comments/Questions
A47J	Informative	Remove, put as informative reference in definitions of F24B,C	

Reference to	Category	Proposed action	Comments/Questions
B21J	Informative	Remove	

Reference to	Category	Proposed action	Comments/Questions
B21K	Informative	Remove	

Reference to	Category	Proposed action	Comments/Questions
B60-B64	Special adaptation	Remove and add in F24H definitions and should be refined to B60H 1/00, B61D 27/00, B63J 2/00, B64D 13/00	

Reference to	Category	Proposed action	Comments/Questions
F23	Informative	Remove and add in F22B, F22G definitions	

Reference to	Category	Proposed action	Comments/Questions
F26B	Informative	Remove	

Reference to	Category	Proposed action	Comments/Questions
F27	Informative	<i>Remove</i>	

Reference to	Category	Proposed action	Comments/Questions
H05B	Informative	<i>Remove and add in title of F24D (already in F24H) In F24C 15/00?</i>	

Class: F27

Reference to	Category	Proposed action	Comments/Questions
A21B	Special adaptation / Limiting	<i>Move to definition of subclass F27B</i>	

Reference to	Category	Proposed action	Comments/Questions
C03B	Special adaptation	<i>Move to definition of subclass F27B</i>	

Reference to	Category	Proposed action	Comments/Questions
C10B	Special adaptation	<i>Move to definition of subclass F27B</i>	

Reference to	Category	Proposed action	Comments/Questions
C10J	Special adaptation	<i>Move to definition of subclass F27B</i>	

Reference to	Category	Proposed action	Comments/Questions
C10G	Special adaptation	<i>Move to definition of subclass F27B</i>	

Reference to	Category	Proposed action	Comments/Questions
C21B	Special adaptation	<i>Move to definition of subclass F27B</i>	

Reference to	Category	Proposed action	Comments/Questions
C21C	Special adaptation	<i>Move to definition of subclass F27B</i>	

Reference to	Category	Proposed action	Comments/Questions
C21D	Special adaptation	<i>Move to definition of subclass F27B</i>	

Reference to	Category	Proposed action	Comments/Questions
C22B 9/00	Special adaptation	<i>Move to definition of subclass F27B</i>	

Reference to	Category	Proposed action	Comments/Questions
C23D	Special adaptation	<i>Move to definition of subclass F27B</i>	

Reference to	Category	Proposed action	Comments/Questions
F23	Limiting	<i>Remove and add in titles of F27B, D</i>	

Reference to	Category	Proposed action	Comments/Questions
H05B	Limiting	<i>Remove and add in titles of F27B, D</i>	

Class: F28

Reference to	Category	Proposed action	Comments/Questions
C09K 5/00	Limiting	<i>Move to F28C, D, F (see e.g. the same reference in F28F 23/00)</i>	

Reference to	Category	Proposed action	Comments/Questions
F24F 13/30	Special adaptation	<i>Remove and add in the titles of subclasses F28D, F28F And include further in the Definitions of F28D and F28F</i>	



IPC/M 036
ORIGINAL: English/French
DATE: 24.11.2009

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

MAINTENANCE PROJECT FILE
DOSSIER DE PROJET MAINTENANCE

PROPOSAL BY : PROPOSITION DE :	WG	IPC AREA: DOMAINE DE LA CIB :
RAPPORTEUR :	IB	TECHNICAL FIELD : DOMAINE TECHNIQUE :
		M

ANNEX/ ANNEXE	CONTENT/CONTENU		ORIGIN/ ORIGINE	DATE
1	Working Group decision	Décision du groupe de travail	IB	25.08.2009
2	Rapporteur proposal	Proposition du rapporteur	IB	31.08.2009
3	Comments	Observations	JP	14.09.2009
4	Comments	Observations	EP	13.10.2009
5	Comments	Observations	IB	13.10.2009
6	Rapporteur proposal	Proposition du rapporteur	IB	17.11.2009
7	Comments	Observations	SE	23.11.2009

EXCERPT FROM DOCUMENT IPC/WG/21/2
EXTRAIT DU DOCUMENT IPC/WG/21/2

REMOVAL OF NON-LIMITING REFERENCES FROM THE SCHEME

19. Discussions were based on a compilation of project file M 032, and in particular on Annex 45, submitted by the International Bureau, relating to a proposal for the removal of references from class titles.

20. The Working Group agreed that all references in class titles should be removed from the scheme irrespective of their nature. The Working Group also approved, with some modifications, the actions proposed in Annex 45 regarding the placement of the removed references. With respect to the reference to group G21F 9/28 in the title of class B09, the Working Group agreed to add the reference to the list of references in Note 3 of subclass B09B. With respect to the reference to B01D in the title of subclass C02F, the Working Group approved the wording proposed by Sweden in Annex 48. With respect to the references in the title of class C25, the Working Group agreed to move the informative reference to subclass B01D to the subclass definition of subclass C25B, and the informative reference to B23H to the subclass definition of subclass C25D (see Technical Annexes 57 to 110 to this report).

21. For several classes, no agreements could be reached regarding the type of reference (limiting, informative, application place) or where to move it. The Working Group therefore invited comments on those cases and agreed to create the three new maintenance projects M 033 to M 035 for mechanics, electricity and chemistry, respectively. The International Bureau was invited to split said Annex 45 accordingly, and to include therein the questions raised. The Working Group also invited comments on all the actions proposed for the removed references in section F, in addition to the questions reflected in Annex 1 to project M 033.

22. With respect to the reference to class C08 in the title of class C07, Sweden was invited to submit a proposal for a Note in class C07 replacing the reference to class C08 to the newly created maintenance project M 714, with Sweden as Rapporteur.

23. With respect to the removal of non-limiting references from subclasses where definition projects had already been completed by the end of 2007, the Working Group agreed to create three new maintenance projects M 036 to M 038 for mechanics, electricity and chemistry, respectively. The International Bureau was invited to split accordingly Annex 41 to the file M 032 containing several proposals for those subclasses and to complement them with proposals for the remaining subclasses. Following a round of comments, a consolidated proposal should be prepared by the International Bureau for approval by the Task Force.

24. The Secretariat informed the Working Group that Annex 10 to project file WG 191 contained a table summarizing the status of the task of removal of non-limiting references for each subclass, which would be updated after this session in order to take into account the latest decisions.

SUPPRESSION DES RENVOIS NON LIMITATIFS DANS LE SCHÉMA

19. Les délibérations ont eu lieu sur la base d'une synthèse du dossier de projet M 032, et notamment de l'annexe 45, présentée par le Bureau international, concernant une proposition relative à la suppression des renvois dans les titres des classes.

20. Le groupe de travail est convenu que tous les renvois figurant dans les titres des classes devraient être supprimés du schéma, quelle que soit leur nature. Il a également approuvé, sous réserve de certaines modifications, les mesures proposées à l'annexe 45 concernant le placement des renvois supprimés. En ce qui concerne le renvoi au groupe G21F 9/28 figurant dans le titre de la classe B09, le groupe de travail est convenu de l'ajouter à la liste des renvois figurant dans la note 3 de la sous-classe B09B. En ce qui concerne le renvoi à la sous-classe B01D figurant dans le titre de la sous-classe C02F, le groupe de travail a approuvé le libellé proposé par la Suède dans l'annexe 48. En ce qui concerne les renvois figurant dans le titre de la classe C25, le groupe de travail est convenu de transférer le renvoi indicatif à la sous-classe B01D dans la définition de la sous-classe C25B et le renvoi indicatif à la sous-classe B23H dans la définition de la sous-classe C25D (voir les annexes techniques 57 à 110 du présent rapport).

21. Pour plusieurs classes, aucun accord n'a pu être atteint concernant les types de renvoi (renvois de limitation, renvois indicatifs, renvois à des endroits axés sur l'application) et les endroits où les transférer. Le groupe de travail a donc demandé des observations sur ces cas et est convenu de créer les trois nouveaux projets de maintenance M 033 à M 035 pour la mécanique, l'électricité et la chimie, respectivement. Le Bureau international a été invité à scinder l'annexe 45 en conséquence et à y inclure les questions soulevées. Le groupe de travail a également demandé des observations sur toutes les mesures proposées pour les renvois supprimés de la section F, outre les questions indiquées dans l'annexe 1 du projet M 033.

22. En ce qui concerne le renvoi à la classe C08 figurant dans le titre de la classe C07, la Suède a été invitée à soumettre une proposition de note à insérer dans la classe C07 en remplacement du renvoi à la classe C08, dans le cadre du projet de maintenance M 714 nouvellement créé avec la Suède pour rapporteur.

23. En ce qui concerne la suppression des renvois non limitatifs des sous-classes où des projets de définition avaient déjà été achevés à la fin de 2007, le groupe de travail est convenu de créer trois nouveaux projets de maintenance M 036 à M 038 pour la mécanique, l'électricité et la chimie, respectivement. Le Bureau international a été invité à scinder en conséquence l'annexe 41 du dossier M 032 contenant plusieurs propositions relatives à ces sous-classes et à y ajouter des propositions relatives aux sous-classes restantes. À l'issue d'une série d'observations, une proposition de synthèse devrait être établie par le Bureau international aux fins d'approbation par l'équipe d'experts.

24. Le Secrétariat a informé le groupe de travail du fait que l'annexe 10 du dossier de projet WG 191 contenait un tableau récapitulant l'état d'avancement de la tâche relative à la suppression des renvois non limitatifs pour chaque sous-classe, qui serait actualisé après la session en cours afin de tenir compte des dernières décisions prises.

Proposal by the International Bureau

Projects M 036 to M 038 were created for removal of non-limiting references from the scheme for subclasses with completed definitions for mechanics, electricity and chemistry, respectively (see IPC/WG/21/2, paragraphs 19 to 24).

The following proposal appears to be straightforward as it is mainly based on the categories that were given to the references in the approved definitions. Few extra recommendations or modifications are included.

Informative (D)/(R) → category according existing definition (D) and/or rapporteur opinion (R)

When preparing this proposal we noticed some issues to be considered by the WG:

- If references pointing to application places should be remove from the scheme as it was decided earlier. Unlike informative references, they are truly of relevance for classifying subject matter. See e.g. the references in F04C 2/00; some are truly limiting while some others point to application places. Still, both types are useful for the classifier.

- Many references in subclass definitions relate to a single group only and not to the whole subclass; should they all be moved to respective group definitions? Or should they be considered case by case?

All references are based on IPC 2009.01

Subclass: **A63H** **Project:** **D 080**

Place	Reference to	Category	Proposed action	Comments
A63H 1/00	A63H 27/127	Limiting (R)	None	
A63H 3/06	B60C 29/00	Informative (R)	Remove from the scheme and add to group definitions	
A63H 3/42	A61F 2/14	Informative (D)/(R)	Remove from the scheme and add to group definitions	Remove from subclass definition ? Ref. applies to a single subgroup.
A63H 3/44	A61G	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 3/52	A43B 3/28	Limiting (D)/(R)	None	
A63H 5/00	A63H 1/28	Limiting (R)	None	
A63H 5/00	F42B 4/16	Limiting (D)/(R)	None	
A63H 5/00	G10	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 5/04	F42B 4/04	Limiting (D)/(R)	None	
A63H 13/15	B44F 13/10	Limiting (D)/(R)	None	
A63H 17/00	A63F 9/14	Limiting (D)/(R)	None	
A63H 17/26	A63H 29/00	Limiting (R)	None	
A63H 17/385	A63H 30/00	Informative (R)	Remove from the scheme and add to group definitions	
A63H 18/00	A63H 19/30	Limiting (R)	None	

A63H 18/00	A63H 21/00	Limiting (R)	None	
A63H 19/00	A63H 18/00	Limiting (R)	None	
A63H 19/36	G09B	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 25/00	A63H 19/06	Limiting (R)	None	
A63H 27/00	A63H 33/20	Limiting (R)	None	
A63H 27/10	B60C 29/00	Informative (R)	Remove from the scheme and add to group definitions	Add to subclass definition ? see same reference in A63H 3/06
A63H 27/127	A63B 65/10	Limiting (D)/(R)	None	
A63H 27/24	F02B 75/34	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 27/24	H02K	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 27/30	A63H 27/133	Limiting (R)	None	
A63H 29/22	A63H 18/12	Limiting (R)	None	
A63H 30/00	A63H 17/36	Limiting (R)	None	
A63H 30/00	A63H 19/24, A63H 19/28	Limiting (R)	None	
A63H 30/02	H01F	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 30/02	H02M	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 31/00	F16H	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 33/18	A63F 9/02	Limiting (D)/(R)	None	
A63H 33/18	F41B 3/00	Limiting (D)/(R)	None	
A63H 33/18	F41B 7/08	Limiting (D)/(R)	None	
A63H 33/20	B64D	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 33/22	G02B 27/08	Limiting (D)/(R)	None	
A63H 33/26	A63H 29/22	Limiting (D)/(R)	None	
A63H 33/28	A24F 13/30	Limiting (D)/(R)	None	
A63H 33/30	A45C 1/12	Informative (D)/ Limiting (R)	Modify subclass definition	Saving boxes can be imitations of apparatus
A63H 33/30	G07B 9/02	Limiting (D)/(R)	None	
A63H 33/38	B42D 1/00	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 33/40	A63H 29/16	Limiting (R)	Reword the reference as: “driving mechanisms for toy figures or vehicles actuated by steam or compressed air, A63H 29/16”	
A63H 33/42	G09B	Informative (D)/(R)	Remove from the	

			scheme and add to group definitions	
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Subclass: B03D Project: D 073

Place	Reference to	Category	Proposed action	Comments
B03D	B01D 21/00	Informative (D)/(R)	Remove from the scheme	
B03D	B03B	Limiting (D)/(R)	None	
B03D	B03B 5/28	Limiting (D)/(R)	None	
B03D	C11D	Informative (D)/(R)	Remove from the scheme	See reference in B03D 1/001
B03D 1/00	B03B	Informative (R)	Remove from the scheme and add to group definitions	
B03D 1/001	B03B 1/00	Informative (D)/(R)	Remove from the scheme and add to group definitions	
B03B 1/08	B01D 19/02	Informative (D)/(R)	Remove from the scheme and add to group definitions	
B03D 1/10	B01D	Informative (D)/(R)	Remove from the scheme and add to group definitions	
B03D 1/14	B01J 4/02	Informative (D)/(R)	Remove from the scheme and add to group definitions	
B03D 1/14	C12M 1/09	Special adaptation (D)/(R)	Remove from the scheme and add to group definitions	

Subclass: B04C Project: D 075

Place	Reference to	Category	Proposed action	Comments
B04C	B02C 19/06	Limiting (D)/(R)	None	
B04C	F01N 3/037	Informative (D)/Limiting(R)	Amend definition	
B04C	F23	Limiting (D)/(R)	None	
B04C 5/02	F15D	Informative (R)	Remove from the scheme and add to group definitions	
B04C 5/103	B04C 5/107	Limiting (R)	None	Should it be reworded as precedence reference?
B04C 5/107	B04C 5/13	Limiting (R)	None	
B04C 9/00	B01D 50/00	Limiting (R)	None	
B04C 11/00	B03C 3/14	Limiting (D)/(R)	None	

Subclass: B60V Project: D 035

Place	Reference to	Category	Proposed action	Comments
B60V	B65G 7/06	Informative (D)/(R)	Remove from the	

			scheme	
B60V 1/00	B60V 3/00	Limiting (D)/(R)	None	Is it necessary to have this reference pointing to the subsequent main group ?
B60V 1/22	B63B 1/24	Informative (R)	Remove from the scheme and add to group definitions	

JAPAN PATENT OFFICE

September 14, 2009

Project: M036

JP Comment

JP appreciates the efforts of IB for having prepared consolidated proposal with tables of references for 4 subclasses. In the proposal, IB pronounced two issues that should be considered during the forthcoming WG meeting. Paragraph 1 and 2, below, are JP opinion on the two points. Paragraph 3 is JP comments on the tables of references. Paragraph 4 relates JP's observation on the past activities in this Project M032,M036-M038. This comment is basically same one as Annex 43 (JP comment) in M032, and was modified for M036.

1. References pointing to application places

Among the references pointing to application places, there exist both those that are understood as Limiting ones and those understood as Informative ones. Standards for the handling of Limiting references and Informative references have already been determined in the IPC GUIDELINES. From the viewpoint of actual works that are required to be performed, JP would not believe that there is happening confusion in specific connection with the references pointing to application places (but, refer to Paragraph 4, below).

2. "Many references in subclass definitions relate to a single group only"

JP believes that this issue or IB's concern had fully been discussed before and that due care has been taken by each Office in the deliberation of D-projects to date in accordance with the following explanation for the section of "References relevant to the classification of this Subclass (Group)" in the "GUIDELINES FOR DRAFTING CLASSIFICATION DEFINITIONS" (Document "IPC/CE/32/12 Annex IX", page 3, first paragraph).

"In this section of a subclass definition, only references concerning the whole subclass or several main groups are mentioned. A reference concerning only a particular main group or subgroup appears in the corresponding section of the definition of that particular group."

3. Tables of references in the schemes for 8 subclasses

Having reviewed IB's proposal for the treatment of references in the schemes for 4 subclasses, JP would like to submit comment on B03D (D073) as follows. JP supports IB proposals with respect to other 3 subclasses, i.e. A63H (D080), B04C (D075), B60V (D035).

(i) B03D (D073)

- In the line of reference from B03D to C11D, the statement in the "Comments" column ("See reference in B03D 1/001") is not clear in its meaning.
- In the line of reference from B03B 1/08 to B01D 19/02, the former is

apparently a misprint and should be corrected to B03D 1/08.

- In the line of reference from B03D 1/14 to C12M 1/09, this reference should be considered as a Limiting one and should not be removed from the scheme.

4. Observation of the task under M032

JP would now like to freely express the observation or impression on the task under this Project M032 after perusal of the issue of references in the scheme over a few dozens of subclasses.

- JP feels that many of the existing references in the classification scheme are valuable in the form of entry in the scheme, irrespective of whether being limiting or informative references. Many JP experts expressed unwillingness to remove such useful information from the scheme.
- Under this Project, many references were decided to be removed from the scheme and to be entered in the Definitions. However, there are many cases that have not actually been reflected in the Definition layer. It should be feared that users might not be able to conduct appropriate search in such circumstances. It is solicited that IB will take definite care so that so-decided Informative references be surely indicated in the Definition layer by all means.
- There are not clear criteria for determining whether a reference in the scheme is of Limiting nature or Informative nature. It is often difficult to make proper determination. Investigation and discussion for the determination require much workload. In many cases, opinions of IB and other Offices do not show any reasoning, which makes it difficult to conduct persuasive discussion when opinions differed. Even when the conclusion was attained, its ground of reasoning tends to be ambiguous.

EPO - Principal Directorate Patent Grant Automation - Directorate Classification		
Project: M036	Subject: Removal of non-limiting references from subclasses with definitions	IPC range: Mechanics
Comments		30 September 2009

EP comments on the IB proposal (Annex 2)

EP supports the IB proposed actions and comments in general but has a diverging opinion or additional comments on the following references:

Subclass: A63H		Project: D 080		
Place	Reference to	Category	Proposed action	EP Comments
A63H 3/52	A43B 3/28	Limiting (D)/(R)	None	OK, if clothing comprises footwear
A63H 13/15	B44F 13/10	Limiting (D)/(R)	None	Reference is informative, remove to group definitions
A63H 17/00	A63F 9/14	Limiting (D)/(R)	None	Reference is informative, remove to group definitions. Figures are not vehicles.
A63H 27/127	A63B 65/10	Limiting (D)/(R)	None	Reference is informative, remove to group definitions. Discs are not tops.
A63H 30/00	A63H 17/36	Limiting (R)	None	OK, if remote-control arrangement comprises steering mechanism
A63H 30/00	A63H 19/24, A63H 19/28	Limiting (R)	None	OK, if toy railway systems comprise remote-control
A63H 33/18	A63F 9/02	Limiting (D)/(R)	None	Reference points to a larger system, could be removed to group definitions.
A63H 33/18	F41B 3/00	Limiting (D)/(R)	None	Reference is informative, remove to group definitions. Points to genuine devices.
A63H 33/28	A24F 13/30	Limiting (D)/(R)	None	Limiting reference points to "arrangements for producing smoke images or rings during smoking"
A63H 33/30	A45C 1/12	Informative (D)/ Limiting (R)	Modify subclass definition	Reference to saving boxes (which can be imitations of apparatus without being a toy) is informative and should be removed to group definitions..
A63H 33/40	A63H 29/16	Limiting (R)	Reword the reference as: "driving mechanisms for toy figures or vehicles actuated by steam or compressed air,	Reword the reference as: "driving mechanisms for toys actuated by steam or compressed air, A63H 29/16"

			A63H 29/16''	
Subclass: B03D Project: D 073				
Place	Reference to	Category	Proposed action	EP Comments
B03D	B03B	Limiting (D)/(R)	None	Application-oriented (incorp. into a larger system), should be removed to group definitions.
B03D	B03B 5/28	Limiting (D)/(R)	None	Informative; sink-float separation is no differential sedimentation.
B03D 1/00	B03B	Informative (R)	Remove from the scheme and add to group definitions	Non-limiting but relevant to classification. Pre-treatment and plant layout for flotation are covered elsewhere. Point more precisely to B03B1/00 and B03B9/00
B03D 1/001	B03B 1/00	Informative (D)/(R)	Remove from the scheme and add to group definitions	see above; consider refinement for pointing to B03B1/04

Subclass: B04C Project: D 075

EP supports the IB proposed actions and comments and has a diverging opinion or additional comments on the following references:

Place	Reference to	Category	Proposed action	Comments
B04C	B02C 19/06	Limiting (D)/(R)	None	Reference is informative, remove to group definitions. Disintegrating is not comprised in separating, mixing or like
B04C	F01N 3/037	Informative (D)/ Limiting(R)	Amend definition	Reference is limiting, if F01N3/037 comprises centrifugal separation by free vortex flow.
B04C	F23	Limiting (D)/(R)	None	Reference points to a larger system. Could be moved to definitions.
B04C 5/103	B04C 5/107	Limiting (R)	None	No need for rewording
B04C 9/00	B01D 50/00	Limiting (R)	None	Should be refined to "with filters for separating particles from gases or vapour"
B04C 11/00	B03C 3/14	Limiting (D)/(R)	None	Seems not appropriately placed and worded. Should be placed in B04C9/00, point to B03C3/15 and refer to "with dry electrostatic precipitation for separating particles from gases or vapour"

Subclass: B60V Project: D 035

EP supports the IB proposed actions and comments and has a diverging opinion or additional comments on the following references:

Place	Reference to	Category	Proposed action	EP Comments
B60V 1/00	B60V 3/00	Limiting (D)/(R)	None	This reference is not necessary, esp. not in standard sequence of main groups.

J. Dindorf

WORLD INTELLECTUAL PROPERTY ORGANIZATION	
IPC REVISION WORKING GROUP	
Projects: M 036 – M 038 Removal of Non-limiting References from the Scheme Rapporteur's comments	Date: October 12, 2009

Removal of Non-limiting References from the Scheme

Our comments relate to the introduction part of the proposals submitted to projects M 036 to M 038 (see Annex 2 of the three projects), concerning references pointing to application places. This issue was introduced in the original proposal of project M 032 submitted to WG20 and should not be reproduced in the current proposals for the following reasons:

1. The latest version of the *Guide to the IPC* (2009.01), paragraph 39c, precisely indicates that references in function oriented places pointing to application places are considered as (together with informative references) references for guidance, and should be progressively removed from schemes and put in definitions. Furthermore, paragraph 90 of the *Guide* clearly specifies how to classify between function and application oriented places, it would cause confusion for users if references pointing to application places are kept in the scheme;

2. According to the decision of the CE/41, the scope of the work of the IPC/WG will be limited to the consideration of revision, definition and maintenance projects, priority being given to revision projects and to the corresponding definition projects, in order to achieve efficient consideration of revision projects. Therefore, the IPC/WG is not the appropriate body if we do want to discuss the above mentioned issue. Discussions on projects M 036 to M 038 should focus on the proposed actions of each individual reference.

In conclusion, it would be reasonable if we do not discuss the issue relating to references pointing to application places in the framework of M 036 to M 038 projects.

Proposal by the International Bureau

Project M036

As requested at the WG/21, please find below the consolidated proposal prepared by the International Bureau, taken into account comments submitted by EP and JP.

The highlighted actions mean that either rapporteur changes positions based on comments submitted or there exists disagreement among commenting offices on those actions

Subclass: A63H Project: D 080

Place	Reference to	Category	Proposed action	Comments
A63H 1/00	A63H 27/127	Limiting (R)	No action	
A63H 3/06	B60C 29/00	Informative (R)	Remove from the scheme and add to group definitions	
A63H 3/42	A61F 2/14	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 3/44	A61G	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 3/52	A43B 3/28	Limiting (D)/(R)	No action	
A63H 5/00	A63H 1/28	Limiting (R)	No action	
A63H 5/00	F42B 4/16	Limiting (D)/(R)	No action	
A63H 5/00	G10	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 5/04	F42B 4/04	Limiting (D)/(R)	No action	
A63H 13/15	B44F 13/10	Limiting (D)/(R)	No action	EPO: Reference is informative, remove to group definitions
A63H 17/00	A63F 9/14	Limiting (D)/(R)	No action	EPO: Reference is informative, remove to group definitions. Figures are not vehicles
A63H 17/26	A63H 29/00	Limiting (R)	No action	
A63H 17/385	A63H 30/00	Informative (R)	Remove from the scheme and add to group definitions	
A63H 18/00	A63H 19/30	Limiting (R)	No action	
A63H 18/00	A63H 21/00	Limiting (R)	No action	
A63H 19/00	A63H 18/00	Limiting (R)	No action	
A63H 19/36	G09B	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 25/00	A63H 19/06	Limiting (R)	None	
A63H 27/00	A63H 33/20	Limiting (R)	None	
A63H 27/10	B60C 29/00	Informative (R)	Remove from the scheme and add to group definitions	
A63H 27/127	A63B 65/10	Limiting (D)/	Remove from the	

		Informative(R)	scheme and add to group definitions	
A63H 27/24	F02B 75/34	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 27/24	H02K	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 27/30	A63H 27/133	Limiting (R)	No action	
A63H 29/22	A63H 18/12	Limiting (R)	No action	
A63H 30/00	A63H 17/36	Limiting (R)	No action	
A63H 30/00	A63H 19/24, A63H 19/28	Limiting (R)	No action	
A63H 30/02	H01F	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 30/02	H02M	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 31/00	F16H	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 33/18	A63F 9/02	Limiting (D)/(R)	No action	EPO: Reference points to a larger system, could be removed to group definitions.
A63H 33/18	F41B 3/00	Limiting (D)/(R)	No action	EPO: Reference is informative, remove to group definitions. Points to genuine devices.
A63H 33/18	F41B 7/08	Limiting (D)/(R)	No action	
A63H 33/20	B64D	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 33/22	G02B 27/08	Limiting (D)/(R)	No action	
A63H 33/26	A63H 29/22	Limiting (D)/(R)	No action	
A63H 33/28	A24F 13/30	Limiting (D)/(R)	Change the wording to: “arrangements for producing smoke images or rings during smoking A24F 13/30”	
A63H 33/30	A45C 1/12	Informative (D)/(R)	Move from subclass to group definition	EPO: Reference to saving boxes (which can be imitations of apparatus without being a toy) is informative and should be removed to group definitions
A63H 33/30	G07B 9/02	Limiting (D)/(R)	No action	
A63H 33/38	B42D 1/00	Informative (D)/(R)	Remove from the scheme and add to group definitions	
A63H 33/40	A63H 29/16	Limiting (R)	Reword the	

			<i>reference as: “driving mechanisms for toy actuated by steam or compressed air, A63H 29/16”</i>	
A63H 33/42	G09B	Informative (D)/(R)	Remove from the scheme and add to group definitions	

Subclass: B03D Project: D 073

Place	Reference to	Category	Proposed action	Comments
B03D	B01D 21/00	Informative (D)/(R)	Remove from the scheme	
B03D	B03B	Limiting (D)/(R)	No action	EPO: Application-oriented (incorp. into a larger system), should be removed to group definitions
B03D	B03B 5/28	Limiting (D)/(R)	No action	EPO: Informative; sink-float separation is no differential sedimentation.
B03D	C11D	Informative (D)/(R)	Remove from the scheme	
B03D 1/00	B03B	Informative (D)/(R)	Remove from the scheme See reference in B03D 1/001	EPO: Non-limiting but relevant to classification. Pre-treatment and plant layout for flotation are covered elsewhere. Point more precisely to B03B1/00 and B03B9/00
B03D 1/001	B03B 1/00	Informative (D) / Limiting (R)	Refine to B03B 1/04	EPO: see above, consider refinement for pointing to B03B1/04
B03D 1/08	B01D 19/02	Informative (D)/(R)	Remove from the scheme and add to group definitions	
B03D 1/10	B01D	Informative (D)/(R)	Remove from the scheme and add to group definitions	
B03D 1/14	B01J 4/02	Informative (D)/Limiting (R)	No action	
B03D 1/14	C12M 1/09	Special adaptation (D)/(R)	Remove from the scheme and add to group definitions	

Subclass: B04C Project: D 075

Place	Reference to	Category	Proposed action	Comments
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B04C	B02C 19/06	Limiting (D)/ Informative(R)	Modify B04C subclass definition	EPO: Reference is informative, remove to group definitions. Disintegrating is not comprised in separating, mixing or like
B04C	F01N 3/037	Informative (D)/ Limiting(R)	Modify B04C subclass definition	
B04C	F23	Limiting (D)/(R)	No action	EPO: Reference points to a larger system. Could be moved to definitions.
B04C 5/02	F15D	Informative (R)	Remove from the scheme and add to group definitions	
B04C 5/103	B04C 5/107	Limiting (R)	No action	
B04C 5/107	B04C 5/13	Limiting (R)	No action	
B04C 9/00	B01D 50/00	Limiting (R)	Refine to "with filters for separating particles from gases or vapour"	
B04C 11/00	B03C 3/14	Limiting (D)/(R)	Placed in B04C 9/00 and reworded: "with dry electrostatic precipitation for separating particles from gases or vapour B03C 3/15"	

Subclass: **B60V** Project: **D 035**

Place	Reference to	Category	Proposed action	Comments
B60V	B65G 7/06	Informative (D)/(R)	Remove from the scheme	
B60V 1/00	B60V 3/00	Limiting (D)/(R)	Remove from the scheme (not necessary)	
B60V 1/22	B63B 1/24	Informative (R)	Remove from the scheme and add to group definitions	

Swedish Patent and Registration Office

IPC Maintenance Project M 036**November 22, 2009**

Comments

SE thanks the Rapporteur for the proposal.

SE has the following comments.

A63H 13/15	The reference should be to B44F 1/10, SE agrees with EPO regarding the reference being informative.
A63H 17/00	SE thinks the reference to A63F 9/14 is an application type reference.
A63H 30/00	SE would like to remove the “e.g. for toy vehicles” to make the reference clearer.
A63H 33/18	SE agrees with EPO regarding A63F 9/02 and F41B 3/00.
B03D	Regarding these references to B03B and subgroup SE believes the decision should be made according to the practise used in this field, i.e. it could be both limiting and informative.
B04C	SE agrees with in that the reference to F23 is to a larger system and that it should be moved to the definitions.
B60V 1/00	The reference must be in the scheme. This due to the fact that if a user has the path view in the electronic version of the IPC they will not be able to see main group B60V 3/00 and in worst case miss this main group.

Erik Lundell