

**REVISION PROJECT FILE/
DOSSIER DE PROJET DE RÉVISION**

**CHEMICAL FIELD/
DOMAINE DE LA CHIMIE**



IPC/C 443
ORIGINAL: English/French
DATE: 03.06.2009

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

CL REVISION PROJECT FILE
DOSSIER DE PROJET RÉVISION NIVEAU DE BASE

PROPOSAL BY : PROPOSITION DE :	WG	IPC AREA: DOMAINE DE LA CIB :	C13
RAPPORTEUR :	DE	TECHNICAL FIELD : DOMAINE TECHNIQUE :	C

ANNEX/ ANNEXE	CONTENT/CONTENU		ORIGIN/ ORIGINE	DATE
1	Working Group decision	Décision du groupe de travail	IB	21.12.2006
2	Working Group decision	Décision du groupe de travail	IB	11.07.2007
3	Initial Proposal	Proposition Initiale	DE	04.09.2007
4	Comments	Observations	IB	04.09.2007
5	Comments	Observations	US	05.10.2007
6	Comments	Observations	EP	12.11.2007
7	Rapporteur report	Rapport du rapporteur	DE	15.11.2007
8	Rapporteur proposal	Proposition du rapporteur	DE	15.11.2007
9	Comments	Observations	JP	22.11.2007
10	Comments	Observations	CA	17.12.2007
11	Working Group decision	Décision du groupe de travail	IB	14.01.2008
12	Comments	Observations	GB	28.01.2008
13	Rapporteur report	Rapport du rapporteur	DE	01.02.2008
14	Rapporteur proposal	Proposition du rapporteur	DE	01.02.2008
15	Comments	Observations	JP	13.02.2008
16	Comments	Observations	US	13.02.2008
17	Comments	Observations	EP	26.03.2008

ANNEX/ ANNEXE	CONTENT/CONTENU		ORIGIN/ ORIGINE	DATE
18	Comments	Observations	CA	04.04.2008
19	Rapporteur report	Rapport du rapporteur	DE	05.05.2008
20	Rapporteur proposal	Proposition du rapporteur	DE	05.05.2008
21	Comments	Observations	CA	09.05.2008
22	Working Group decision	Décision du groupe de travail	IB	26.06.2008
23	Comments	Observations	US	01.08.2008
24	Comments	Observations	JP	04.08.2008
25	Comments	Observations	SE	22.09.2008
26	Rapporteur report	Rapport du rapporteur	DE	21.10.2008
27	French version	Version française	FR	12.11.2008
28	Comments	Observations	JP	18.11.2008
29	Comments	Observations	EP	20.11.2008
30	French version	Version française	FR	21.11.2008
31	Working Group decision	Décision du groupe de travail	IB	08.01.2009
32	Rapporteur report	Rapport du rapporteur	DE	17.03.2009
33	Comments	Observations	US	13.04.2009
34	Comments	Observations	SE	16.04.2009
35	Comments	Observations	EP	27.05.2009

EXCERPT FROM DOCUMENT IPC/WG/20/2
EXTRAIT DU DOCUMENT IPC/WG/20/2

Project C 443 (chemical) – Discussions were based on the latest rapporteur report (see Annex 26 to the project file). It was decided to amend the titles of subclasses C13B and C13K. Furthermore, the subgroups of subclass C13B were approved as well as the transfer notes from the deleted groups of subclasses C13C, C13D, C13F, C13G, C13H and C13J (see Technical Annexes 6 to 13 to this report).

Rapporteur was invited to submit notes in subclass C13B explaining the use of the terms “sugar” and “sugar juices” in the said subclass. The French version of the project would be considered at the next session of the Working Group.

Projet C 443 (chimie) – les délibérations ont eu lieu sur la base du dernier rapport du rapporteur (voir l’annexe 26 du dossier de projet). Il a été décidé de modifier les titres des sous-classes C13B et C13K. En outre, les sous-groupes de la sous-classe C13B ont été approuvés, de même que les notes de renvoi pour les groupes supprimés des sous-classes C13C, C13D, C13F, C13G, C13H et C13J (voir les annexes techniques 6 à 13 du présent rapport).

Pour la sous-classe C13B, le rapporteur a été invité à présenter des notes expliquant l’emploi des termes “sucre” et “jus sucrés” dans ladite sous-classe. La version française du projet sera examinée à la session suivante du groupe de travail.

ANNEX 6E C13B [Project-Rapporteur : C443/DE <WG20>
]

CL N **Title** **PRODUCTION OF SUCROSE; APPARATUS SPECIALLY ADAPTED THEREFOR** (fermentation or enzyme-using processes for preparing compounds containing saccharide radicals **C12P 19/00**)

AL N 5/02 · Cutting sugar cane

AL N 5/04 · · Shredding sugar cane

AL N 5/06 · Slicing sugar beet

AL N 5/08 · Knives; Adjustment or maintenance thereof

AL N 10/02 · Expressing juice from sugar cane or similar material, e.g. sorghum
saccharatum

- AL N 10/04 · · *combined with imbibition*
- AL N 10/06 · · *Sugar-cane crushers*
- AL N 10/08 · *Extraction of sugar from sugar beet with water*
- AL N 10/10 · · *Continuous processes*
- AL N 10/12 · · *Details of extraction apparatus, e.g. arrangements of pipes or valves*
- AL N 10/14 · *using extracting agents other than water, e.g. alcohol or salt solutions*
- AL N 15/02 · *between perforated moving belts*
- CL N *Note*
20/00 *When classifying in this group, classification is also made in group **B01D 15/08** insofar as subject matter of general interest relating to chromatography is concerned. [new.]*
- AL N 20/02 · *using alkaline earth metal compounds*
- AL N 20/04 · · *followed by saturation*
- AL N 20/06 · · · *with carbon dioxide or sulfur dioxide*
- AL N 20/08 · *by oxidation or reduction*
- AL N 20/10 · · *using sulfur dioxide or sulfites*

- AL N 20/12 · *using adsorption agents, e.g. active carbon*

- AL N 20/14 · *using ion-exchange materials*

- AL N 20/16 · *by physical means, e.g. osmosis or filtration*

- AL N 20/18 · *by electrical means*

- AL N 25/02 · *Details, e.g. for preventing foaming or for catching juice*

- AL N 25/04 · · *Heating equipment*

- AL N 25/06 · *combined with measuring instruments for effecting control of the process*

- AL N 30/02 · *Crystallisation; Crystallising apparatus*

- AL N 30/04 · *Separating crystals from mother liquor*

- AL N 30/06 · · *by centrifugal force*

- AL N 30/08 · · *Washing residual mother liquor from crystals*

- AL N 30/10 · · · *in centrifuges*

- AL N 30/12 · · *Recycling mother liquor or wash liquors*

- AL N 30/14 · · *Dissolving or refining raw sugar*
- AL N 35/02 · *by chemical means*
- AL N 35/04 · · *by precipitation as alkaline earth metal saccharates*
- AL N 35/06 · · *using ion exchange*
- AL N 35/08 · *by physical means, e.g. osmosis*
- CL N 45/02 · *in combination with sorting and packing machines*
- AL N 50/02 · *formed by moulding sugar*

**ANNEX 7E C13C [Project-Rapporteur : C443/DE <WG20>
]**

- CL D / (transferred to **C13B**)
- CL D 1/00 (transferred to **C13B 5/00**)
- AL D 1/02 (transferred to **C13B 5/02**)
- AL D 1/04 (transferred to **C13B 5/04**)
- AL D 1/06 (transferred to **C13B 5/06**)
- AL D 1/08 (transferred to **C13B 5/08**)

CL D 3/00 (transferred to [C13B 15/00](#))

AL D 3/02 (transferred to [C13B 15/02](#))

**ANNEX 8E C13D [Project-Rapporteur : C443/DE <WG20>
]**

CL D / (transferred to [C13B](#))

CL D 1/00 (transferred to [C13B 10/00](#))

AL D 1/02 (transferred to [C13B 10/02](#))

AL D 1/04 (transferred to [C13B 10/04](#))

AL D 1/06 (transferred to [C13B 10/06](#))

AL D 1/08 (transferred to [C13B 10/08](#))

AL D 1/10 (transferred to [C13B 10/10](#))

AL D 1/12 (transferred to [C13B 10/12](#))

AL D 1/14 (transferred to [C13B 10/14](#))

CL D 3/00 (transferred to [C13B 20/00](#))

3/00 CL D Note
< Deleted >

AL D 3/02 (transferred to [C13B 20/02](#))

AL D 3/04 (transferred to [C13B 20/04](#))

AL	D	3/06	(transferred to C13B 20/06)
AL	D	3/08	(transferred to C13B 20/08)
AL	D	3/10	(transferred to C13B 20/10)
AL	D	3/12	(transferred to C13B 20/12)
AL	D	3/14	(transferred to C13B 20/14)
AL	D	3/16	(transferred to C13B 20/16)
AL	D	3/18	(transferred to C13B 20/18)

**ANNEX 9E C13F [Project-Rapporteur : C443/DE <WG20>
]**

CL	D	/	(transferred to C13B)
CL	D	1/00	(transferred to C13B 25/00)
AL	D	1/02	(transferred to C13B 30/02)
AL	D	1/04	(transferred to C13B 30/04)
AL	D	1/06	(transferred to C13B 30/06)
AL	D	1/08	(transferred to C13B 30/08)
AL	D	1/10	(transferred to C13B 30/10)
AL	D	1/12	(transferred to C13B 30/12)

AL D 1/14 (transferred to [C13B 30/14](#))
CL D 3/00 (transferred to [C13B 50/00](#))
AL D 3/02 (transferred to [C13B 50/02](#))
CL D 5/00 (transferred to [C13B 40/00](#))
CL D 99/00 (transferred to [C13B 99/00](#))

ANNEX 10E C13G [**Project-Rapporteur : C443/DE <WG20>**
]

CL D / (transferred to [C13B](#))
CL D 1/00 (transferred to [C13B 25/00](#))
AL D 1/02 (transferred to [C13B 25/04](#))
AL D 1/04 (transferred to [C13B 25/02](#))
AL D 1/06 (transferred to [C13B 25/06](#))

ANNEX 11E C13H [**Project-Rapporteur : C443/DE <WG20>**
]

CL D / (transferred to [C13B](#))
CL D 1/00 (transferred to [C13B 45/02](#))
CL D 3/00 (transferred to [C13B 45/00](#))

ANNEX 12E C13J [**Project-Rapporteur : C443/DE <WG20>**
]

- CL D / (transferred to **C13B**)
- CL D 1/00 (transferred to **C13B 35/00**)
- AL D 1/02 (transferred to **C13B 35/02**)
- AL D 1/04 (transferred to **C13B 35/04**)
- AL D 1/06 (transferred to **C13B 35/06**)
- AL D 1/08 (transferred to **C13B 35/08**)

ANNEX 13E C13K [**Project-Rapporteur : C443/DE <WG20>**
]

CL M Title **SACCHARIDES, OTHER THAN SUCROSE, OBTAINED FROM NATURAL SOURCES OR BY HYDROLYSIS OF NATURALLY OCCURRING DI-, OLIGO- OR POLYSACCHARIDES** (fermentation or enzyme-using processes for preparing compounds containing saccharide radicals **C12P 19/00**)

AL M 1/02 · Production by saccharification of cellulosic materials (manufacture of fodder **A23K 1/12**)

AL M 1/06 · Production by saccharification of starch or raw materials containing starch

DEUTSCHES PATENT- UND MARKENAMT	Class/Subcl.: C13
German Patent and Trade Mark Office	Date : 2009/03/13
DE – Rapporteur Proposal — C443	

The Rapporteur was asked submitting notes in subclass C13B explaining the use of the terms “sugar” and “sugar juices”.

Please find a suggested wording –based on the definition proposed by EP in the related definition project– in the following. For the sake of completeness R included an explanation of syrup as well.

Note

In C13B, the following terms or expressions are used with the meanings indicated:

- “Sugars” are any of various water-soluble compounds that vary widely in sweetness, include the mono-, di- and oligosaccharides, and typically are optically active.
- “Sugar juices” are solutions of sugar, which are derived from different plants, e.g. beet, cane or maple.
- “Syrups” are highly concentrated sugar juices.

Furthermore there was agreement at WG20, that in C13B 10/00 the part of the title “, e.g. juices derived from beet cane or maple” should be deleted from the scheme and be replaced by the second note above. Therefor it is suggested to modify C13B 10/00 in the following way:

C13B

CL M 10/00 *Production of sugar juices (tapping of tree-juices [A01G 23/10](#); tapping-spouts, receptacles for juices [A01G 23/14](#))*

Martina Fritzsche-Henke

USPTO COMMENTS	
REVISION PROJECT: C443 Class: C13	Date: April 13, 2009

US comments are on the Rapporteur Proposal of annex 32 wherein Rapporteur explains sugar, sugar juice, and syrup.

The explanations for the 3 terms are acceptable, but we wonder if they are a bit misleading. The title of C13B is "Production of sucrose; Apparatus specially adapted therefor." Sucrose is considered a disaccharide and the explanation given by Rapporteur for "sugar" is much broader and could imply that production of all mono-, di- and oligosaccharides is to be classified in C13B. This is not the case, as I understand it.

Swedish Patent and Registration Office

IPC Project C443, subclass C13

16 April 2009

Comment

SE thanks the Rapporteur for the proposal in Annex 32.

We agree with all but the first paragraph of the note, concerning the term “sugars”:

- “Sugars” are any of various water-soluble compounds that vary widely in sweetness, include the mono-, di- and oligosaccharides, and typically are optically active.

Since the terms or expressions should be defined in the light of their use in C13B, the term sugar has too wide a definition.

C13B is titled:

PRODUCTION OF SUCROSE; APPARATUS SPECIALLY ADAPTED THEREFOR (fermentation or enzyme-using processes for preparing compounds containing saccharide radicals *C12P 19/00*)

Thus, in the context of C13B sugar refers to sucrose. We propose the following phrasing:

- “Sugars” are used in its non-scientific term and refers to sucrose, also called “table sugar” or saccharose.

If a wider definition is desired, it could for instance be good to use the same definition in the note of C13B and C13K, we still believe the term “any of a various water-soluble compounds” to be far too wide. In that case we propose the following wording:

- “Sugars” are a class of edible, water-soluble crystalline carbohydrates, having a characteristic sweet taste, including mono-, di- and oligosaccharides, e.g. sucrose, lactose, and fructose.

Anna Ax

Principal Directorate Patent Grant Automation - Directorate Classification		
Project: C443	Subject: Sugar Industry	IPC range: C13
Comments		27 May 2009

Ref.:**Annexes 32-34**

We apologise for the late submission of this comment and hope it can still be taken into consideration before the Rapporteur Report.

It seems strange to have two parallel discussions in project C443 and definition project D212 for the definition/note of "sugar" in C13B.

The definition given in D212 seem to be acceptable - minus a minor modification, and the proposal of A. 32 reflects that.

So we would like to support the proposal of DE in A. 32.

Anne Glanddier.



IPC/C 455
ORIGINAL: English/French
DATE: 03.06.2009

WORLD INTELLECTUAL PROPERTY ORGANIZATION
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CL REVISION PROJECT FILE
DOSSIER DE PROJET RÉVISION NIVEAU DE BASE

PROPOSAL BY : PROPOSITION DE :	WG	IPC AREA: DOMAINE DE LA CIB :	C07G 1/00
RAPPORTEUR :	EP	TECHNICAL FIELD : DOMAINE TECHNIQUE :	C

ANNEX/ ANNEXE	CONTENT/CONTENU		ORIGIN/ ORIGINE	DATE
1	Comments	Observations	US	03.12.2008
2	Comments	Observations	JP	03.12.2008
3	Working Group decision	Décision du groupe de travail	IB	06.01.2009
4	Proposal removal informative references	Proposition de suppression de renvois indicatifs	IB	03.02.2009
5	Initial Proposal	Proposition Initiale	EP	13.02.2009
6	Comments	Observations	US	17.02.2009
7	Comments	Observations	JP	23.02.2009
8	Comments	Observations	SE	03.03.2009
9	Comments	Observations	JP	06.03.2009
10	Rapporteur report	Rapport du rapporteur	EP	28.05.2009

<i>United States Patent and Trademark Office</i>	
IPC Working Group	
Topic: WG111 - Introduction of New Residual Main Groups	Date: November 4, 2008

US comments on Rapporteur's proposal of Annex 60 follow.

US still prefers Rapporteur's proposal for B67D rather than the proposal of JP in Annex 55. It would appear that Rapporteur's proposal would not create the need for any intellectual reclassification, only automated changing of classification symbols on documents.

US agrees that a revision project may be needed to sort out the C08H 5/02 (7/00) and 5/04 (9/00) versus C07G 1/00 issue in such a way as to minimize any reclassification of documents.

JAPAN PATENT OFFICE

November 18, 2008

Project: WG111

JP Comment

This is in response to IB Rapporteur proposal of October 14, 2008 (Annex 60).

(1) B67D

JP can accept the proposal made by IB.

(2) C08H

This is in response to Rapporteur's invitation for comments with respect to the treatment of subclass C08H. JP can support the idea of creating a revision project for properly arranging C08H 7/00, 9/00 and 99/00. However, JP cannot agree with deleting C07G 1/00.

Considering the title of subclass C07G being "COMPOUNDS OF UNKNOWN CONSTITUTION" and considering that "low molecular lignin" to be obtained by the degradation of lignin may possibly be an aggregation of various compounds which is exactly a "compound of unknown constitution", it is believed that subject matters relating to "low molecular lignin" should be covered by C07G 1/00.

On the other hand, the title of subclass C08H reading "DERIVATIVES OF NATURAL MACROMOLECULAR COMPOUNDS" makes it hard to believe that subject matters relating to "low molecular lignin" are covered by C08H. Since technology relating to "low molecular lignin" is not a subject matter of C08H either, the former loses proper place to be classified.

JP believes that C07G 1/00 has a definite reason of existence in that subject matters relating to "low molecular lignin" are classified there. Therefore, JP objects to the deletion of C07G 1/00.

[END]

EXCERPT FROM DOCUMENT IPC/WG/20/2
EXTRAIT DU DOCUMENT IPC/WG/20/2

RENUMBERING OF PRE-REFORM RESIDUAL MAIN GROUPS

20. The Working Group further agreed to delete the residual main group C08H 5/00 and its subgroups, to transfer the deleted main group to new standardized residual main group and the deleted one-dot subgroups to new main groups, and to amend the title of subclass C08H (see Technical Annex 44 to this report). A new revision project **C 455** was created, with the EPO as Rapporteur, for clarifying the overlap between the new main groups C08H 7/00 and 9/00 and the existing main group C07G 1/00. The International Bureau was invited to transfer the Annexes 61 and 62 of project file WG 111 to the new project.

RENUMÉROTATION DES GROUPES PRINCIPAUX RÉSIDUELS EXISTANT AVANT LA RÉFORME

20. Le groupe de travail est convenu en outre de supprimer le groupe principal résiduel C08H 5/00 et ses sous-groupes, de transférer le groupe principal supprimé vers le nouveau groupe principal résiduel normalisé et les sous-groupes à un point supprimés vers de nouveaux groupes principaux, et de modifier l'intitulé de la sous-classe C08H (voir l'annexe technique 44 du présent rapport). Un nouveau projet de révision **C 455** a été créé, l'OEB étant désigné comme rapporteur, afin de déterminer les chevauchements entre les nouveaux groupes principaux C08H 7/00 et 9/00 et le groupe principal C07G 1/00 existant. Le Bureau international a été invité à transférer les annexes 61 et 62 du dossier de projet WG 111 au nouveau projet.

WORLD INTELLECTUAL PROPERTY ORGANIZATION	
REVISION WORKING GROUP	
Project: C455 Subclass: C07G Task: Removal of non-limiting references from the scheme	Date: February 2, 2009

References according to Version 2009.01

This initial proposal was done by the IB following
The rapporteurs of the respective projects are invited to review the proposal.

Subclass: C07G Project: C 455

Place	Reference to	Category	Proposed action	Comments
C07G	C07C 309/62	Limiting	None	
C07G 3/00	C08B	Informative	Delete from the scheme and move to group Definitions	
C07G 13/00	C07C 50/14	Informative	Delete from the scheme and move to group Definitions	These references are useful for classification although they are informative because their constitution is known. Should the title of 13/00 be reworded as "Vitamins of unknown constitution"
C07G 13/00	C07C 235/12	Informative	Delete from the scheme and move to group Definitions	
C07G 13/00	C07C 401/00	Informative	Delete from the scheme and move to group Definitions	
C07G 13/00	C07C 403/00	Informative	Delete from the scheme and move to group Definitions	
C07G 13/00	C07D 213/66	Informative	Delete from the scheme and move to group Definitions	
C07G 13/00	C07D 213/67	Informative	Delete from the scheme and move to group Definitions	
C07G 13/00	C07D 307/62	Informative	Delete from the scheme and move to group Definitions	
C07G 13/00	C07D 311/72	Informative	Delete from the scheme and move to group Definitions	
C07G 13/00	C07D 339/04	Informative	Delete from the scheme and move to group Definitions	
C07G 13/00	C07D 415/00	Informative	Delete from the scheme and move to group Definitions	
C07G 13/00	C07D 475/14	Informative	Delete from the scheme and move to group Definitions	
C07G 13/00	C07D 495/04	Informative	Delete from the scheme and move to group Definitions	

C07G 13/00	C07F 15/03	Informative	Delete from the scheme and move to group Definitions	
C07G 13/00	C07H 23/00	Informative	Delete from the scheme and move to group Definitions	

Principal Directorate Patent Grant Automation - Directorate Classification		
Project: C455	Subject: Lignin	IPC range: C07G
Rapporteur Proposal		10 February 2009

Background

An overlap between group C08H7/00 (former group C08H5/02) and group C07G1/00 has been identified. This proposal is aimed at clarifying the subject-matter

Comments

- Lignin may be defined as an amorphous, polyphenolic material arising from enzymatic dehydrogenative polymerization of three phenylpropanoid monomers, namely coniferyl alcohol, sinapyl alcohol, and p-coumaryl alcohol.

Because it is not possible to isolate lignin from wood without degradation, the true molecular weight of lignin in wood is not known, but is estimated to be 20,000.

Strictly speaking, there is no low-molecular-weight lignin, but its derivatives are polyphenols as well, but of low-molecular-weight.

- Concerning A. 4 of the project file, the informative references have not been deleted from the scheme, because no definition project on C07H exists yet.

The wording of C07G13/00 has been modified as suggested by IB.

Scheme Proposal

		C07G	
CL	C	1/00	Low-molecular-weight phenolic compounds , e.g. low-molecular-weight derivatives of lignin, tannins, humic acid (high-molecular-weight derivatives of lignin C08H7/00)
CL	C	13/00	Vitamins of unknow constitution (vitamin K ₁ C07C50/14; pantothenic acid C07C235/12; vitamins of the D group C07C401/00; vitamin A C07C403/00; pyridoxal, pyridoxamin C07D213/66; pyridoxin C07D213/67; vitamin C C07D307/62; tocopherols C07D311/72; lipoic acid C07D339/04; vitamin B ₁ C07D415/00; riboflavin C07D475/14; biotin C07D495/04; sideramines, corresponding desferri compounds C07F15/03; vitamin B ₁₂ C07H23/00)
		C08H	
CL	C	7/00	Lignin; Modified lignin; High-molecular-weight products derived therefrom (low-molecular-weight derivatives of lignin C07G1/00)

USPTO COMMENTS	
REVISION PROJECT: C455	Date: February 17, 2009
Class: C07G	

US comments are on the Rapporteur proposal of Annex 5.

The newly proposed title for C07G 1/00, "Low-molecular weight phenolic compounds" does not appear to represent a compound of "unknown constitution" and seems to recite a compound which could be classified in the C07C 39/00 area, for example. It would also appear that this title has broadened the scope of what the old title encompassed. It now includes other low- molecular weight phenolic compounds which may not be lignin-related. Perhaps the title should be "Low-molecular weight derivatives of lignin." Furthermore, what is the dividing line between low molecular weight and high-molecular weight?

Concerning the addition of "of unknown constitution" to the title of 13/00, if this is to be done to this title, it would seem appropriate to add it to other titles of C07G groups, or not add it to any, since the title of C07G is "Compounds of unknown constitution."

JAPAN PATENT OFFICE

February 23, 2009

Project: C455

Subclass: C07G

JP Comment

JP thanks EP Rapporteur for the Initial Rapporteur Report with scheme proposal as Annex 5 to the project file of C455. US immediately posted comments thereto as Annex 6 on February 17, 2009 in respect of the title of main groups C07G 1/00.

As concerns the title of C07G 1/00, JP would support the US proposal for replacing “Low-molecular weight phenolic compounds” with “Low-molecular weight derivatives of lignin” because, if the former were adopted, other components than the derivatives of lignin would be covered by this main group, which would be an undue broadening of the scope.

Swedish Patent and Registration Office

IPC Project C455, subclass C07G

03 Mars, 2009

Comment

Sweden agrees with the US comment of Annex 06. The difference between low-molecular weight and high-molecular weight, used in the proposed titles of C07G 1/00 and C08H7/00 respectively, is unclear and the wording may render some confusion when classifying.

When Japan argues for the continued existence of C07G 1/00 in Annex 02 they state that:

“Considering the title of subclass C07G being “COMPOUNDS OF UNKNOWN CONSTITUTION” and considering that “low molecular lignin” to be obtained by the degradation of lignin may possibly be an aggregation of various compounds which is exactly a “compound of unknown constitution”, it is believed that subject matters relating to “low molecular lignin” should be covered by C07G 1/00”

Perhaps a possible wording for the title of C07G 1/00 may be “Degradation products originating from lignin; Derivatives thereof”, or simply; “Lignin degradation products; Derivatives thereof”. Consequently, the wording of the title of C08H 7/09 may then be “Lignin”, followed by the proper reference to C07G 1/00.

Anna Ax

JAPAN PATENT OFFICE

March 6, 2009

Project: C455

Subclass: C07G

JP Comment

JP reviewed SE comment of March 3, 2009, which suggested amending the title of C07G 1/00 as “Degradation products originating from lignin; Derivatives thereof”, and to amend the title of C08H 7/00 as “Lignin”. (C08H 7/09 was referred to in the SE comment, but should correctly be 7/00.)

If such amendments were effected, however, those “high molecular derivatives from lignin”, that should be covered by C08H 7/00 from the beginning, might possibly be taken in C07G 1/00 instead. It would not be desirable to effect such amendments involving the danger of change of scope.

[END]

Principal Directorate Patent Grant Automation - Directorate Classification		
Project: C455	Subject: Lignin	IPC range: C07G
Rapporteur Report		27 May 2009

Comments have been received from US (A. 6), JP (A. 7 and 9) and SE (A.8).

Modification of 1/00

There is no agreement on the proposed title of 1/00.

US proposed to replace it with "Low-molecular weight derivatives of lignin" and is supported by JP.

SE suggest "Degradation products originating from lignin; Derivatives thereof" or "Lignin degradation products; Derivatives thereof" but is not supported by JP in their second comment.

R. prefers the US proposal.

Modification of 13/00

R. proposal is not supported by US.

They are no other comments. Consequently, R. proposal is as follows.

		C07G	
CL	C	1/00	Low-molecular-weight derivatives of lignin (high-molecular-weight derivatives of lignin C08H7/00)
		C08H	
CL	C	7/00	Lignin; Modified lignin; High-molecular-weight products derived therefrom (low-molecular-weight derivatives of lignin C07G1/00)

Anne Glanddier.