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GENEVA

**SPECIAL UNION FOR THE INTERNATIONAL PATENT CLASSIFICATION
(IPC UNION)**

IPC REVISION WORKING GROUP

Ninth Session

Geneva, June 2 to 13, 2003

CHECKING OF NOTES AND REFERENCES IN THE REFORMED IPC

Document prepared by the Secretariat

1. At its eighth session, in November/December 2002, the IPC Revision Working Group discussed the project relating to checking of notes and references in the reformed IPC (outpointers project) and agreed on the approach to be used for treating various types of outpointers (see document IPC/WG/8/8, paragraphs 34 to 42 and Annex H). The International Bureau was requested to submit a proposal concerning complex cases of outpointers and X, P-type outpointers.

2. A proposal has been prepared and posted on the IPC revision list server. Comments on this proposal have been received by Sweden and the European Patent Office (EPO). Annex I to this document contains a consolidated proposal prepared by the Secretariat including the initial proposal, the comments submitted and the Rapporteur report. Annex II contains a proposal submitted by the EPO on a recalculation of outpointers in the field of chemistry and Annex III contains a proposal submitted by the EPO for simplification of the core level of subclass G02F.

3. The Working Group is invited, upon consideration of the proposals contained in the Annexes to this document, to approve the necessary amendments to the IPC.

[Annexes follow]

E

ANNEX I

CONSOLIDATED PROPOSAL CONCERNING COMPLEX CASES
OF OUTPOINTERS AND X, P-TYPE OUTPOINTERS

The following tables reproduce the proposals submitted by the Secretariat on the IPC revision list server. Two extra columns were added which contain the corresponding comments submitted by Sweden (SE) and by the European Patent Office (EP) and the Rapporteur's opinion (R.). Some complex notes, discovered after the initial proposal was sent, are indicated in bold style.

Below are reproduced some general considerations submitted by Sweden and the European Patent Office.

General considerations submitted by Sweden

For the “complex cases,” we have not studied cases where the problems are proposed to be solved by simply moving groups between the levels. These cases seem to be relatively straightforward and we trust the International Bureau to make the proper choices.

For the XP references we have only studied the cases where the IB has proposed alternatives.

General considerations submitted by the European Patent Office

EPO could hardly find any “mistakes” in the IB proposal.

However in the process of revising the split between core and advanced level, EPO experts (especially in sections G and H) found the occasion to suggest some further amendments based on the criteria of (i) pragmatic approach beyond the purely statistical one used till now, (ii) reducing size of core level anyhow, (iii) simplification, and (iv) symmetry.

By way of example, one can consider G06G 7/00 ~ “Analogue computer devices in which operation is performed by varying electric or magnetic quantities” – a technology that is already quite “obsolete” compared to the “Digital computers” one.

A search in the EPODOC database

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? g06g7/ic; * and 2002/pn;..mems 1-672 /pn rk 1 length 2; ..li m2 nonstop  
** SS 1: Results 18.965  
** SS 2: Results 672
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Total number of terms extracted: 672  
Number of terms in M2 : 17
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Memory is of type MEMSORT

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. #  FREQ  TERM  
1  496  US  
2   37  WO  
3   33  DE  
4   27  RU  
5   20  JP  
6   17  AU  
7   14  EP  
8    8  CN  
9    6  BR  
10   3  ES  
11   3  GB  
12   2  DK  
13   2  FR  
14   1  AT  
15   1  PL  
16   1  PT  
17   1  TW
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shows that the whole of the activity for 2002 has been of 672 patent docs, more than 95% thereof in countries which are going to adopt the IPC advanced level.

Therefore, for the core level the G06G 7/00 entry only is more than sufficient.

Another example is H01L ~ “Semiconductor devices”. There it is true that activity is much more intense, though very much concentrated in JP, KR, US, EPO, where offices are going to adopt the Advanced level anyway.

Therefore, for the core level entries up to “a few” dots (!) should be more than sufficient. This would be represent the required simplification for those countries opting for the core level.

Proposals on Complex Cases of Outpointers

The list of complex cases of outpointers was reconsidered and completed. For each complex case requiring an action, a solution was proposed as indicated in Table 1, below. The solutions proposed are based on the following:

- recommendations, relating to complex cases, made by Ireland, Sweden and the EPO (see document IPC/WG/8/5);
- the principle of majority for moving groups between the core and the advanced level;
- potential file size of core level groups.

Table 1 includes proposals relating to groups and notes in the text of the IPC.

For completeness of information, Table 2 was also compiled. It includes complex cases which were considered but were found not requiring any action.

Table 1

LIST OF COMPLEX CASES AND PROPOSED SOLUTIONS

References

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
A23B 4/14	. Preserving with chemicals not covered by groups A23B 4/02 or A23B 4/12	Move 4/12 to CL		
A23B 7/14	. Preserving or ripening with chemicals not covered by group A23B 7/08 or A23B 7/10	Move 7/08 into CL		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
A23G 9/22	. . Details, component parts or accessories of apparatus insofar as not peculiar to a single one of the preceding groups	Move 9/22 to AL		
A47K 13/24	. Parts or details not covered in, or of interest apart from, groups A47K 13/02 to A47K 13/22	Move 13/24 to AL		
A47L 11/40	Parts or details of machines not covered in, or of interest apart from, groups A47L 11/02 to A47L 11/38 , e.g. handles, arrangement of switches, skirts, buffers, levers	Move 11/40 to AL.		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
B05C 21/00	Accessories or implements for use in connection with applying liquids or other fluent materials to surfaces, not provided for in groups B05C 1/00 to B05C 19/00 (accessories or implements for use in connection with painting or artistic drawing and fully provided for in B44D 3/02 to B44D 3/38 , <i>see</i> subgroups of group B44D 3/00)	Replace the phrase "... and fully provided for in B44D 3/02 to B44D 3/38 , <i>see</i> subgroups of group B44D 3/00)" by "... and fully provided for in B44D 3/00"	<p>EP: OK SE: B05C 21/00</p> <p>This is indeed a complex case, which combines two bad features of the IPC - subdivision of residual places and references pointing to residual places. The proposed solution appears to be incompletely presented, but it is not appropriate anyway. We see only two alternatives:</p> <ul style="list-style-type: none"> • Move all the one-dot subgroups of B44D 3/00 to the core level • Convert the reference in B05C 21/00 to limiting references stating the matter of all the one-dot subgroups of B44D 3/00 <p>We prefer the first solution, even though it means moving several not very big groups.</p>	R. agrees with SE that the residual groups in these areas are not properly drafted. However, R. disagrees with the solution consisting of moving several small groups to the core level. The solution should be a proper redrafting of the schemes and additional explanations in the Definitions. Furthermore, R. proposes the following wording for this definition: "--- or artistic drawing B44D 3/00".
B21K 3/00	Making engine or like machine parts not covered by <i>subgroups of</i> B21K 1/00 ;	Delete "... <i>subgroups of</i> "	EP: OK SE: OK. This is on the borderline of what is acceptable from a point of view of clarity, but we think it can be accepted.	

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
B26B 19/38	. Details of, or accessories for, hair clippers, or dry shavers, e.g. housings, casings, grips, guards (cutters, cutting heads <i>B26B 19/04, B26B 19/12, B26B 19/14; ...</i>	Move 19/04, 19/12 and 19/14 to CL	EP: OK	
B60B 19/00	Wheels not otherwise provided for <i>or having characteristics specified in one of the subgroups of this group</i>	Delete the part " <i>or having characteristics specified in one of the subgroups of this group</i> "	EP: OK SE: Another example of bad scheme-writing - the subgroups of 19/00 should have been main groups! 19/00 is not purely residual, the subgroups cover a lot of non-residual matter, so removal of the second part is not correct. Although the number of documents is low, the subgroups must be moved to the core level.	R.: Moving groups for AL to CL is certainly not a solution for incorrect titles. R. maintains his proposal and suggests that better redrafting of the scheme should be examined within the maintenance of the IPC.
B62D 21/18	Characterized by the vehicle type and not provided for in groups <u>B62D 21/02</u> to <i><u>B62D 21/17</u></i>	Move 21/18 into AL	EP: OK	

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
C10G 49/00	Treatment of hydrocarbon oils, in the presence of hydrogen or hydrogen-generating compounds, not provided for in a single one of groups <u>C10G 45/02, C10G 45/32, C10G 45/44, C10G 45/58, or C10G 47/00</u>	Replace the part " <u>C10G 45/02, C10G 45/32, C10G 45/44, C10G 45/58</u> " by "C10G 45/00"	SE: 49/00 is not a true residual place in relation to 45/00, it covers apparatus and process aspects rather than the chemical aspects covered by 45/00. This will not be clear when the subgroups of 49/00 are removed, and especially not if the proposed change is made. If the five one-dot groups of 45/00 mentioned in the title of 49/00 are moved to the core level it at least goes some way towards solving the problem. We think this is preferable in order to maintain the borderline between 45/00 and 49/00, including keeping the note after 45/00 in the core level. However, ideally the title of 49/00 (and similar places) should be modified to indicate its true scope.	R. agrees with the proposal submitted by SE to move 45/02, 45/32, 45/44, 45/58 to the CL and keep the note as it stands now. However, the scheme in this area should be redrafted in order to make it compatible with a CL containing only main groups.
F02B 19/16	Chamber shapes or constructions not specific to groups <u>F02B 19/02 to F02B 19/10</u>	Move 19/16 to AL		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
F02B 25/20	Means for reducing the mixing of charge and combustion residues or for preventing escape of fresh charge through outlet ports, not provided for in, or of interest apart from, groups F02B 25/02 to F02B 25/18	Move 25/20 to AL		
F02M 59/44	Details, component parts, or accessories not provided for in, or of interest apart from, the apparatus of groups F02M 59/02 to F02M 59/42	Move 59/44 to AL		
F02M 61/16	Details not provided for in, or of interest apart from, the apparatus of groups F02M 61/02 to F02M 61/14	Move 61/02, 61/14 to CL	EP: Suggestion is not correct. Move 61/02 to CL and 61/16 to AL (residual group)	R.: 61/02 is a very small group. Furthermore, moving 61/16 to AL implies moving also its subgroup 61/18 to AL. Given the residual nature of 61/16 in an already residual main group, R. proposes to move 61/04, 61/16 and 61/18 to AL.
F04C 18/30	Having the characteristics covered by two or more of groups F04C 18/02 , F04C 18/08 , F04C 18/22 , F04C 18/24 , F04C 18/48 ,	Move 18/22, 18/24 and 18/48 to CL	EP: EPO prefers to move 18/30 to AL (see proposal under Notes F04C18/00)	R.: Groups 18/22, 18/24 and 18/48 are very small. Therefore, R. agrees with EP noting that subgroups of 18/30, i.e. 18/34 and 18/356 should also move to AL.
F16D 67/00	... control of those combinations B60K 41/00 , e.g. B60K 41/24	Delete the example.		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
F16F 9/36	Special sealings, including sealings or guides for piston-rods (sealing of moving parts in general F16J 15/16 to F16J 15/56)	Remove the reference from the scheme, since it is of informative character		
F16L 9/12	of plastics with or without reinforcement (F16L 9/16 to F16L 9/22 take precedence)	Move 9/01, 9/02, 9/08, 9/10, 9/16, 9/17, 9/21, 9/22 to CL	EP: EPO prefers to move 9/12 to AL (see outpointer F16L9/12, maj. Rule)	R. agrees with EP. Move 9/12 to AL.
F16L 9/14	Compound tubes, i.e. made of materials not wholly covered by any one of the preceding groups (F16L 9/16 to F16L 9/22 take precedence)	Move 9/01, 9/02, 9/08, 9/10, 9/16, 9/17, 9/21, 9/22 to CL	EP: EPO prefers to move 9/14 to AL (see outpointer F16L, maj. Rule and residual group)	R. agrees with EP. Move 9/14 to AL.
F16L 33/22	With means <i>not mentioned in the preceding groups</i> for gripping the hose between inner and outer parts	Move one-dot groups 33/01 33/16, 33/18, 33/24, 33/26, 33/30, 33/32, 33/34 to CL		
F23D 14/20	... (F23D 14/30 to F23D 14/44 take precedence)	Move 14/20 to AL		
G01N 30/88	Integrated analysis systems specially adapted therefor, not covered by a single one of groups G01N 30/04 to G01N 30/86 ...	Move 30/80, 30/84 to CL	EP: Suggestion is technically correct. However EPO prefers to move 30/02 to AL (as other one-dot entries).	R. agrees with EP. Move 30/02 to AL.
G02C 9/00	Attaching auxiliary optical parts (auxiliary optical parts G02C 7/08 to G02C 7/16)	Point to 7/00 instead.	SE: OK, but we think the reference could be removed altogether.	R. agrees with EP. Delete the reference.

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
G03G 15/22	Involving the combination of more than one step according to groups G03G 13/02 to G03G 13/20	Move 15/22, 15/23, 15/24, 15/26, 15/28, 15/32, 15/34 to AL		
H01B 17/56	Insulating bodies (insulators H01B 17/02 to H01B 17/54)	Remove the informative reference	SE: OK.	
H01J 37/00	...investigating or analysing surface structures in atomic ranges using scanning-probe techniques G01N 13/10 , e.g. scanning tunnelling microscopy G01N 13/12 ; ...	Replace the part " G01N 13/10 , e.g. scanning tunnelling microscopy G01N 13/12 ;" by "G01N 13/00"	SE: OK.	
H01L 21/28	Manufacture of electrodes on semiconductor bodies using processes or apparatus not provided for in groups H01L 21/20 to H01L 21/268	Move 21/24 to CL.	EP: Suggestion is technically correct. However EPO prefers to keep only the one-dot entries in the CL: move all others to AL.	R. has no objection to the EP proposal.
H01L 21/30	Treatment of semiconductor bodies using processes or apparatus not provided for in groups H01L 21/20 to H01L 21/26 (manufacture of electrodes thereon H01L 21/28)	Move 21/24 to CL	EP: ditto	R. has no objection to the EP proposal.
H01L 21/34	The devices having semiconductor bodies not provided for in groups H01L 21/06 , H01L 21/16 , and H01L 21/18 with or without impurities, e.g. doping materials	Move 21/06 and 21/16 to CL	EP: ditto	R. has no objection to the EP proposal.

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
H01L 21/44	Manufacture of electrodes on semiconductor bodies using processes or apparatus not provided for in groups H01L 21/36 to H01L 21/428	Move 21/38, 21/40, 21/42 to CL and correct the reference to "... in groups H01L 21/36 to H01L 21/42"	EP: ditto	R. has no objection to the EP proposal.
H01L 21/46	Manufacture of electrodes on semiconductor bodies using processes or apparatus not provided for in groups H01L 21/36 to H01L 21/428	Move 21/38, 21/40, 21/42 to CL and correct the reference to "... in groups H01L 21/36 to H01L 21/42"	EP: ditto	R. has no objection to the EP proposal.
H01L 21/48	Manufacture or treatment of parts, e.g. containers, prior to assembly of the devices, using processes not provided for in a single one of the groups H01L 21/06 to H01L 21/326	Move 21/06 and 21/16 to CL and replace "H01L 21/326" by "H01L 21/18"	EP: ditto	R. has no objection to the EP proposal.
H01L 21/50	Assembly of semiconductor devices using processes or apparatus not provided for in a single one of the groups H01L 21/06 to H01L 21/326	Move 21/06 and 21/16 to CL and replace "H01L 21/326" by "H01L 21/18"	EP: ditto	R. has no objection to the EP proposal.
H01L 31/0328	Including, apart from doping materials or other impurities, semiconductor materials provided for in two or more of groups H01L 31/0272 to H01L 31/032	Move 31/0328 to AL		
H01M 10/36	Accumulators not provided for in groups H01M 10/06 to H01M 10/34	Move 10/20 and 10/34 to CL		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
H01S 3/23	Arrangement of two or more lasers not provided for in groups H01S 3/02 to H01S 3/22 ,	Replace "H01S 3/22" by "H01S 3/14"	EP: <u>and</u> replace H01S 5/40 with 5/00 in the rest of the reference.	R. agrees with EP.

Notes

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
A01D 46/00	<u>Note</u> -- In this group, group A01D 46/30 takes precedence over groups A01D 46/02 to A01D 46/28	Move the note to AL N. since it only affects groups in AL		
A21D 2/00	<u>Note</u> -- In this group, in the absence of an indication to the contrary, a substance is classified in the last appropriate place.	Move the note to AL		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
A23L 3/3463	<p><u>Note</u></p> <p>-- In groups A23L 3/3472 to A23L 3/3562, in the absence of an indication to the contrary, classification is made in the last appropriate place.</p>	<p>Move the note to the AL</p> <p>N. since it only affects groups in AL</p>		
A61K 31/00	<p><u>Note</u></p> <p>3. Organic active compounds forming salts or complexes with heavy metals are not classified in groups A61K 31/28, A61K 31/555 or A61K 31/7135, unless explicit indication to the contrary is made, e.g. hemin A61K 31/555, cyanocobalamin A61K 31/714. [7]</p>	<p>Delete the last example: “cyanocobalamin A61K 31/714.”</p>		
A61L 15/00	<p><u>Notes</u></p> <p>1. In each set of groups A61L 15/08 to A61L 15/12 and A61L 15/18 to A61L 15/40, in the absence of an indication to the contrary, classification is made in the last appropriate place.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
A61L 15/00	<p><u>Notes</u></p> <p>2. When classifying in groups A61L 15/08 to A61L 15/12, classification is also made in group A61L 15/14 if the use of materials characterised by their function or physical properties is of interest.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
A61L 15/00	<p><u>Notes</u></p> <p>3. When classifying in groups A61L 15/18 to A61L 15/40, classification is also made in groups A61L 15/42 to A61L 15/64 if the use of materials characterised by their function or physical properties is of interest.</p>	<p>Move the note to AL</p>		
A61L 17/00	<p><u>Notes</u></p> <p>1. In groups A61L 17/04 to A61L 17/14, in the absence of an indication to the contrary, classification is made in the last appropriate place.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
A61L 24/00	<p><u>Notes</u></p> <p>1. In groups A61L 24/02 to A61L 24/12, in the absence of an indication to the contrary, classification is made in the last appropriate place.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
A61L 27/00	<p><u>Notes</u></p> <p>1. In groups A61L 27/02 to A61L 27/48, in the absence of an indication to the contrary, classification is made in the last appropriate place.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
A61L 27/00	<p><u>Note</u></p> <p>2. When classifying in groups A61L 27/02 to A61L 27/48, classification is also made in groups A61L 27/50 to A61L 27/60 if the use of materials characterised by their function or physical properties is of interest.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
A61L 29/00	<p><u>Notes</u></p> <p>1. In groups A61L 29/02 to A61L 29/12, in the absence of an indication to the contrary, classification is made in the last appropriate place.</p> <p>2. When classifying in groups A61L 29/02 to A61L 29/12, classification is also made in groups A61L 29/14 to A61L 29/18 if the use of materials characterised by their function or physical properties is of interest.</p>	<p>Move the notes to AL</p> <p>N. since they only affect groups in AL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
A61L 31/00	<p><u>Notes</u></p> <p>2. When classifying in groups A61L 31/02 to A61L 31/12, classification is also made in groups A61L 31/14 to A61L 31/18 if the use of materials characterised by their function or physical properties is of interest.</p>	<p>Replace "... groups A61L 31/14 to A61L 31/18..." by "... group 31/14..."</p>		
A61L 33/00	<p><u>Note</u></p> <p>-- In groups A61L 33/02 to A61L 33/18, in the absence of an indication to the contrary, classification is made in the last appropriate place.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
B01D 53/00	<p>Group B01D 53/34 takes precedence over groups B01D 53/02 to B01D 53/32.</p>	<p>Move 53/24, 53/30 to CL</p>		
B03D 1/00	<p><u>Note</u></p> <p>--In groups B03D 1/001 to B03D 1/018, in the absence of an indication to the contrary, classification is made in the last appropriate place.</p>	<p>Move the note and 1/006, 1/008 to AL and move 1/018 to CL</p>	<p>EP: OK for moving 1/018 to CL. Note should be kept in CL since it affects both AL and CL.</p>	<p>R. agrees with EP. The note should remain in the CL.</p>
B07B 1/28	<p><u>Note</u></p> <p>-- Group B07B 1/40 takes precedence over groups B07B 1/30 to B07B 1/38.</p>	<p>Move the note to AL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
B21G 1/00	<p><u>Note</u></p> <p>-- Group B21G 1/12 takes precedence over groups B21G 1/02 to B21G 1/10</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>	<p>EP: OK however we would prefer to keep the one dot groups in CL</p>	<p>R. disagrees. The one-dot groups are very small!</p>
B23B 31/10	<p><u>Note</u></p> <p>-- Group B23B 31/12 takes precedence over groups B23B 31/103 to B23B 31/117. [5]</p>	<p>Move the note and 31/12 to AL</p>		
B60B 23/00	<p><u>Note</u></p> <p>-- Group B60B 23/12 takes precedence over groups B60B 23/02 to B60B 23/10</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>	<p>EP: OK</p>	
B62D 1/18	<p><u>Note</u></p> <p>-- Group B62D 1/181 takes precedence over groups B62D 1/183 to B62D 1/187. [7]</p>	<p>Move the note to AL</p>		
B63B 27/00	<p><u>Note</u></p> <p>-- Groups B63B 27/30 to B63B 27/36 take precedence over groups B63B 27/04 to B63B 27/28.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>	<p>EP: OK</p>	

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
B66C 23/00	<p><u>Note</u></p> <p>-- Group B66C 23/64 takes precedence over groups B66C 23/02 to B66C 23/16</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>	<p>EP: Move note and one dot groups to AL</p>	<p>R. agrees with EP. Move the note and groups 23/18, 23/36, 23/62, 23/64 and 23/88 to AL.</p>
C03B 5/00	<p><u>Note</u></p> <p>-- Group C03B 5/02 takes precedence over groups C03B 5/04 to C03B 5/14.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
C04B 41/00	<p><u>Note</u></p> <p>-- In groups C04B 41/45 to C04B 41/91, in the absence of an indication to the contrary, classification is made in the last appropriate place.</p>	<p>Replace C04B 41/91 by 41/80 which is in CL and is at the same level as 41/45</p>		
C07C 69/00	<p><u>Note</u></p> <p>1. In this group, esters having a variably-specified acid moiety, i.e. covered by more than one of groups C07C 69/02, C07C 69/34, C07C 69/52, C07C 69/608, C07C 69/612, C07C 69/62, C07C 69/66, C07C 69/74, C07C 69/76, C07C 69/95, C07C 69/96, are covered by groups C07C 69/003 to C07C 69/017 according to their hydroxylic moiety.</p>	<p>Move the note to AL and move 69/003 and 69/007 to AL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
C07K 14/195	<p><u>Note</u></p> <p>-- In groups C07K 14/20 to C07K 14/365, where appropriate, after the bacteria terminology, the indication of the order (O), family (F) or genus (G) of the bacteria is given in brackets. [6]</p>	Move the note to AL		
C08F 4/00	<p><u>Note</u></p> <p>-- Where a carrier is considered of particular interest, further classification is made in group C08F 4/02.</p>	Move the note to AL		
C08G 63/00	<p><u>Note</u></p> <p>-- Compounds characterised by the chemical constitution of the polyesters are classified in the groups for the type of polyester compound. Compounds characterised by the preparation process of the polyesters are classified in the groups for the process employed (groups C08G 63/78 to C08G 63/87)...</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
C09K 13/00	<p><u>Note</u></p> <p>-- In groups C09K 13/02 to C09K 13/12, a composition is classified in the last appropriate place.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
C09K 15/00	<p><u>Notes</u></p> <p>1. In groups C09K 15/02 to C09K 15/34, in the absence of an indication to the contrary, a composition is classified in the last appropriate place.</p> <p>2. In this group, a metal salt of an organic compound is classified as that compound.</p>	<p>Move the notes to Al</p> <p>N. since they only affect groups in AL</p>		
C09K 17/00	<p><u>Notes</u></p> <p>1. In groups C09K 17/02 to C09K 17/50, in the absence of an indication to the contrary, materials are classified in the last appropriate place.</p>	<p>Replace C09K 17/50 by 17/40 which is in CL and at the same level as 17/02</p>		
C09K 19/00	<p><u>Notes</u></p> <p>1. In groups C09K 19/02 to C09K 19/60, in the absence of an indication to the contrary, materials are classified in the last appropriate place. [4]</p>	<p>Move 19/02 to CL and move 19/12 to AL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
C09K 21/00	<p><u>Note</u></p> <p>-- In groups C09K 21/02 to C09K 21/14, in the absence of an indication to the contrary, materials are classified in the last appropriate place.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
C10G 45/00	<p><u>Note</u></p> <p>-- Treatment of hydrocarbon oils in the presence of hydrogen-generating compounds not provided for in a single one of groups C10G 45/02, C10G 45/32, C10G 45/44, or C10G 45/58 is covered by group C10G 49/00.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
C10L 1/10	<p><u>Notes</u></p> <p>1. In groups C10L 1/12 to C10L 1/30, in the absence of an indication to the contrary, a compound is always classified in the last appropriate place.</p> <p>2. A metal salt or an ammonium salt of a compound is classified as that compound, e.g. a chromium sulfonate is classified as a sulfonate in group C10L 1/24 and <u>not</u> in group C10L 1/30.</p>	<p>Move the two notes to AL</p> <p>N. since they only affect groups in AL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
C11D 1/00	<p><u>Note</u></p> <p>-- In groups C11D 1/02 to C11D 1/94, in the absence of an indication to the contrary, a compound is classified in the last appropriate place.</p>	<p>Replace C11D 1/94 by 1/88 which is in CL and at the same level as 1/02</p>		
C11D 7/00	<p><u>Note</u></p> <p>--In groups C11D 7/02 to C11D 7/46, in the absence of an indication to the contrary, a compound is classified in the last appropriate place.</p>	<p>Replace C11D 7/46 by 7/22 which is in CL and at the same level as 7/02</p>		
C11D 9/04	<p><u>Note</u></p> <p>-- In groups C11D 9/06 to C11D 9/42, in the absence of an indication to the contrary, a compound is classified in the last appropriate place.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
C12P 33/00	<p><u>Notes</u></p> <p>1. In groups C12P 33/02 to C12P 33/20, the following terms are used with the meaning indicated: ...</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
C22C 21/12	<p><u>Note</u></p> <p>-- In groups C22C 21/14 to C22C 21/18, in the absence of an indication to the contrary, an alloy is classified in the last appropriate place.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
C22C 30/00	<p><u>Note</u></p> <p>-- In groups C22C 30/02 to C22C 30/06, in the absence of an indication to the contrary, an alloy is classified in the last appropriate place.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
C23F 11/10	<p><u>Note</u></p> <p>-- In groups C23F 11/12 to C23F 11/18, in the absence of an indication to the contrary, a compound is classified in the last appropriate place.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
C23G 5/00	<p><u>Note</u></p> <p>-- In groups C23G 5/02 to C23G 5/06, in the absence of an indication to the contrary, classification is made in the last appropriate place.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
C30B 29/00	<p><u>Note</u></p> <p>-- In groups C30B 29/02 to C30B 29/58, in the absence of an indication to the contrary, a material is classified in the last appropriate place.</p>	<p>Replace C30B 29/58 by 29/54 which is in CL and at the same level as 29/02</p>		
D01F 6/28	<p><u>Note</u></p> <p>-- For the purposes of groups D01F 6/30 to D01F 6/96, the percentage for determining the major constituent is expressed in mole percent. [2]</p>	<p>Move all core level groups between 6/30 and 6/96 to AL?</p>		
D06B 15/00	<p><u>Note</u></p> <p>-- Group D06B 15/12 takes precedence over groups D06B 15/02 to D06B 15/10</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
D06M 11/00	<p><u>Note</u></p> <p>1. ...metallisation by treatment with a metal salt, followed by reduction, is classified in group D06M 11/83.</p>	<p>Move the note to AL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
D06P 5/02	<p><u>Note</u></p> <p>-- In groups D06P 5/04 to D06P 5/10, in the absence of an indication to the contrary, a compound is classified in the last appropriate place.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
D21H 17/00	<p><u>Note</u></p> <p>-- In this group, in the absence of an indication to the contrary, a material is classified in the last appropriate place. [5]</p>			
D21H 23/00	<p><u>Note</u></p> <p>-- Processes or apparatus used for addition to the paper during its manufacture, i.e. on-machine, are classified in groups D21H 23/24 to D21H 23/28 if they are specially influenced by, or specially adapted to, the paper-making process.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
E04B 1/19	<p><u>Note</u></p> <p>-- Group E04B 1/19 takes precedence over groups E04B 1/20 to E04B 1/30. [2]</p>	<p>Move 1/19 to CL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
E04D 3/36	<p><u>Note</u></p> <p>-- In groups E04D 3/361 to E04D 3/368, additional small fastening elements, e.g. nails, screws, are not to be considered to be separate connecting elements.</p>	<p>Move 3/361, 3/366 and the note to AL</p>		
E04D 5/00	<p><u>Note</u></p> <p>-- Group E04D 5/12 takes precedence over groups E04D 5/02 to E04D 5/08</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
F01C 1/00	<p><u>Note</u></p> <p>-- Group F01C 1/30 takes precedence over groups F01C 1/02 to F01C 1/28</p>	<p>Move 1/02 and the note to AL</p>		
F03C 2/00	<p><u>Note</u></p> <p>-- Group F03C 2/30 takes precedence over groups F03C 2/02 to F03C 2/24</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
F04C 2/00	<p><u>Note</u></p> <p>-- Group F04C 2/30 takes precedence over groups F04C 2/02 to F04C 2/28</p>	<p>Move the note and 2/08, 2/10 to AL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
F04C 18/00	<p><u>Note</u></p> <p>-- Group F04C 18/30 takes precedence over groups F04C 18/02 to F04C 18/28 and F04C 18/48 to F04C 18/56</p>	<p>Move 18/22, 18/24 and 18/48 to CL and reword the note after the 18/00 title as “ Group F04C 18/30 takes precedence over groups 18/02 to 18/24 and 18/48”.</p>	<p>EP: EPO prefers to move Note and groups 18/30, 18/34, 18/356 to AL (complex subject matter)</p>	<p>R. has no objection to the EP proposal.</p>
F15C 3/00	<p><u>Note</u></p> <p>-- Group F15C 3/16 takes precedence over groups F15C 3/02 to F15C 3/14</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
F16H 3/02	<p><u>Note</u></p> <p>-- In groups F16H 3/08, F16H 3/16 and F16H 3/20, gears which can be put out of mesh are not taken into consideration if they are used for reversal only.</p>	<p>Move 3/08 and the note to AL</p>		
F16H 48/00	<p><u>Note</u></p> <p>-- In this group, documents relating to transfer gears are classified both in group F16H 48/02 or F16H 48/04 and in groups F16H 48/06 to F16H 48/30.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
F16L 5/02	<p>Note</p> <p>-- Group F16L 5/14 takes precedence over groups F16L 5/04 to F16L 5/12. [6]</p>	<p>Move the note to AL</p>		
F16L 33/00	<p>Note</p> <p>-- Groups F16L 33/01 and F16L 33/26 take precedence over other subgroups</p>	<p>Move one-dot groups F16L 33/01 33/16, 33/18, 33/24, 33/26, 33/30, 33/32, 33/34 to CL</p>		
G01R 19/00	<p>Note</p> <p>-- Within groups G01R 19/02 to G01R 19/32, group G01R 19/28 takes precedence. Groups G01R 19/18 to G01R 19/257 take precedence over groups G01R 19/02 to G01R 19/17 and G01R 19/30</p>	<p>Change "G01R 19/257" into "G01R 19/25".</p> <p>N. All references are in CL already except 19/257, which is a subgroup of 19/25</p>		
G01R 33/02	<p>Note</p> <p>-- Group G01R 33/022 or group G01R 33/10 takes precedence over groups G01R 33/025 to G01R 33/09.</p>	<p>Replace 33/09 in the note by 33/06</p>		
G01R 33/38	<p>Note</p> <p>-- Groups G01R 33/385 to G01R 33/389 take precedence over groups G01R 33/381 to G01R 33/383. [6]</p>	<p>Move 33/385, 33/387 and the note to AL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
G01V 3/00	<p><u>Note</u></p> <p>-- Groups G01V 3/15 to G01V 3/34 take precedence over groups G01V 3/02 to G01V 3/14</p>	<p>Change "G01V 3/34" into "G01V 3/18"</p> <p>N. All references are in CL already except 3/34, which is a subgroup of 3/18</p>		
G03G 9/08	<p><u>Note</u></p> <p>-- In groups G03G 9/083 to G03G 9/135, in the absence of an indication to the contrary, classification is made in the last appropriate place.</p>	<p>Replace G03G 9/135 by 9/12 which is in CL and at the same level as 9/083</p>	<p>EP: Move 9/08 (with the Note) to AL.</p>	<p>R. does not agree with EP to move G03G 9/08 to AL because of its big file size.</p>
G06C 15/00	<p><u>Note</u></p> <p>-- Group G06C 15/02 takes precedence over groups G06C 15/04 to G06C 15/42</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
G06C 23/00	<p><u>Note</u></p> <p>-- Group G06C 23/08 takes precedence over groups G06C 23/02 to G06C 23/06</p>	<p>Move the note to AL</p> <p><u>N. since it only affects groups in AL</u></p>		
G06K 9/36	<p><u>Note</u></p> <p>-- Group G06K 9/58 takes precedence over groups G06K 9/38 to G06K 9/56. [3]</p>	<p>Replace 9/56 in the note by 9/54</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
G07C 1/00	<p><u>Note</u></p> <p>-- Groups G07C 1/20 to G07C 1/32 take precedence over groups G07C 1/02 to G07C 1/18</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
G07D 5/00	<p><u>Note</u></p> <p>-- In groups G07D 5/02 to G07D 5/10, in the absence of an indication to the contrary, classification is made in the last appropriate place.</p>	<p>Move the note to AL</p> <p>N. since it only affects groups in AL</p>		
G09B 5/00	<p><u>Note</u></p> <p>-- Group G09B 5/08 takes precedence over groups G09B 5/02 to G09B 5/06</p>	<p>Move the note into AL and 5/06 as well</p> <p>N. All references are in AL already except 5/06</p>		
G11B 5/00	<p><u>Note</u></p> <p>-- Groups G11B 5/02 to G11B 5/86 take precedence over groups G11B 5/004 to G11B 5/016</p>	<p>Replace "G11B 5/016" by "G11B 5/012"</p> <p>N. All references are in CL already except 5/016, which is a subgroup of 5/012</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
G11B 9/00	<p><u>Note</u></p> <p>-- In this group, <i>group</i> G11B 9/12 takes precedence over groups G11B 9/02 to G11B 9/10</p>	Move one-dot groups 9/10, 9/12 to CL	EP: Keep 9/00 only in CL	R. agrees with EP to keep 9/00 to CL and move 9/02, 9/04 9/06 and 9/08 to AL because of their small file size.
G11B 11/00	<p><u>Note</u></p> <p>-- In this group, <i>group</i> G11B 11/24 takes precedence over groups G11B 11/03 to G11B 11/16</p>	Move 11/03, 11/08, 11/16, 11/24 to AL		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
G11C 11/00	<p><u>Note</u></p> <p>-- Group G11C 11/56 takes precedence over groups G11C 11/02 to G11C 11/54</p>	<p>Move 11/18, 11/19, 11/46, 11/48, 11/50 11/54, 11/45 to CL</p>	<p>EP: Keep only one-dot entries in CL and move all others to AL</p>	<p>R.: The scheme of this group is too indented in several places, even considering that IPC7 entries should be in the AL, making its use inappropriate for the core level. However, EP proposal is too drastic, since it implies that several big groups should move to the AL while several very small groups should move to the CL. R. is of the opinion that a more accurate solution, keeping groups not deeper than two dots in the CL, should be elaborated in the framework of the distribution of IPC7 groups between CL and AL. However, in order to solve the note problem, R. proposes to simply move the note to AL without any group movement.</p>
H01B 12/02	<p><u>Note</u></p> <p>-- Group H01B 12/12 takes precedence over groups H01B 12/04 to H01B 12/10. [4]</p>	<p>Move 12/08, 12/12 to CL</p>		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
H01F 41/14	Note -- Group H01F 41/30 takes precedence over groups H01F 41/16 to H01F 41/24 . [7]	Move 41/18 to AL		
H01J 29/46	Note -- Groups H01J 29/48 to H01J 29/51 take precedence over groups H01J 29/52 to H01J 29/68 .	Move 29/52, 29/54 to CL and replace 29/68 in the note by 29/58?		
H01L 29/00	Note -- In this main group, classification is made both in groups H01L 29/02 to H01L 29/51 and in groups H01L 29/66 to H01L 29/96 if both of these sets of groups are relevant.	Change the note into "...in groups H01L 29/02, H01L 29/40 and in group H01L 29/66"	SE: "Both" can only be used about two things, not about three. This means the note should read "In this main group, classification is made in all of groups H01L 29/02, H01L 29/40 and H01L 29/66, if all of these groups are relevant".	R. agrees with SE proposal.
H02P 5/06	Note -- Group H02P 5/22 takes precedence over groups H02P 5/08 to H02P 5/20 .	Move the note to AL		

IPC CL Place	Reference	Suggestions and Remarks	Comments	Rapporteur's Opinion
H02P 5/28	<u>Note</u> -- Groups H02P 5/36 to H02P 5/42 take precedence over groups H02P 5/30 to H02P 5/34 . [4]	Move 5/36 and the note to AL ?		
H03F 3/00	<u>Note</u> -- Groups H03F 3/20 to H03F 3/72 take precedence over groups H03F 3/02 to H03F 3/195	Move 3/02 and 3/72 into CL Reword the note as "... over groups H03F 3/02 to 3/189"		
H03H 9/25	<u>Note</u> -- Groups H03H 9/15 to H03H 9/25 take precedence over groups H03H 9/30 to H03H 9/76 . [3]	Move 9/15, 9/25, 9/44, 9/64 and the note to AL ?		
H03M 5/00	<u>Note</u> -- In groups H03M 5/02 to H03M 5/22 , in the absence of an indication to the contrary, classification is made in the last appropriate place.	Move the note to AL N. since it only affects groups in AL		

Table 2

LIST OF COMPLEX CASES ON WHICH NO ACTION SHOULD BE TAKEN

Places of the References	Place of the Note	Comments	Rapporteur's Opinion
<u>Section A</u>	<u>Section A</u>		
A01N 25/34	A23J 3/00		
A01N 43/00			
A23L 1/48			
A61K 31/55 <u>35/55</u>		SE: We do not see the problem - wrong group number?	
	<u>Section C</u>		
	C09K 11/08		
A63F 9/34	C11D 3/00		
<u>Section B</u>	<u>Section G</u>		
B01J 23/54	G01N 33/50		
B01J 23/76			
B01J 31/26	<u>Section H</u>		
	H01L 27/00		
<u>Section C</u>	H03M 7/00		
C08C 4/00			
C09K 19/42			
C12C 13/00			
C23C 16/517			
<u>Section F</u>			
F02M 69/46			

Places of the References	Place of the Note	Comments	Rapporteur's Opinion
<u>Section G</u>			
G01R 33/28			
G03C 1/40			
G03C 1/72			
<u>Section H</u>			
H01L 25/16			
H01L 25/18			
H03M 13/37			
H03M 13/47			
H03K 5/159			

Proposals on X, P Outpointers

Based on the list of outpointers which are precedence references, published on the IBIS website, a list of such references pointing to a group which is hierarchically superior to the source group is compiled below (X, P references, see Table 3, below).

The solution retained in the majority of cases was to move either the target group to the core level (CL) or the source group to the advanced level (AL). The choice was based on the majority rule (see document IPC/REF/7/3, paragraphs 57 and 58), that is if the majority of groups at the indentation of the source belonged to the CL, the target was moved to the CL; if the majority belonged to the AL, then the source was moved to the AL.

In case of equality, the choice was based on the existence of subgroups of the source belonging to the CL, the solution creating the least possible movements between the two levels, or the file size of the source and the target groups.

A special case occurred with notes or references indicating a range of groups. In such cases, replacing the last group in a range by its hierarchically superior group which was at the same indentation level as the first group in that range usually solved the problem.

Several notes, dealing with AL groups only, were considered as belonging to the CL because they appeared after a CL group. In the future, the notes would be “attached” to their groups of validity and therefore such notes would be moved to the AL.

Table 3

LIST OF X, P OUTPOINTERS

Source	Outpointer	Proposed Solution	Comments	Rapporteur’s Opinion
A01D 34/64	A01D 34/695	Move 34/64 and 34/695 to AL (maj. Rule)		
A01K 89/01	A01K 89/027	Move 89/01, 89/015 to AL (maj. Rule)		
A01K 89/015	A01K 89/033			
A23C 19/06	A23C 19/097	Move 19/06 to AL (maj. Rule)		
A45C 13/26	A45C 13/22	Move 13/26 to AL (maj. Rule)		
A47G 25/14	A47G 25/60	Move 25/14 to AL (maj. Rule)		

Source	Outpointer	Proposed Solution	Comments	Rapporteur's Opinion
A47G 29/12	A47G 29/16	Move 29/12 to AL (maj. Rule)		
A47J 31/10	A47J 31/02	Move 31/02 to CL (maj. Rule)		
A47L 5/28	A47L 5/24	Move 5/28 to AL (maj. Rule)		
A47L 13/17	A47L 13/19	Move 13/17 to AL		
A61C 7/12	A61C 7/10	Move 7/12 to AL (maj. Rule)		
A61F 13/58	A61F 13/66	Move 13/58 to AL (maj. Rule)		
A61G 5/04	A61G 5/06	Move 5/04 to AL (maj. Rule)		
A61G 5/04	A61G 5/12			
A61L 9/18	A61L 9/22	Move 9/22 to CL		
A61N 1/05	A61N 1/06	Either move 1/05 to AL or 1/06 to CL	EP: EPO prefers to move 1/06 to CL	
A61N 5/02	A61N 5/01	Move 5/01 to CL (maj. Rule)		
A61N 5/06	A61N 5/01			
A61N 5/10	A61N 5/01			
B01D 3/10	B01D 3/12	Move 3/12 to CL		
B01D 24/46	B01D 24/44	Move 24/46 to AL (maj. Rule. Too many groups to move in the other way)		
B01D 29/01	B01D 29/39	Move 29/39 to CL (maj. Rule)		
B01D 29/50	B01D 29/39			
B01D 33/06	B01D 33/044	To respect scheme symetry either both 33/06 and 33/15 should move to AL (maj. Rule) or both to CL.	SE: Wouldn't it be just as simple to move 33/044 to the core level?	R.: It should be noted that 33/044 is a very small group.
B01D 33/58	B01D 33/76	Move 33/58 to AL (maj. Rule)		
B01D 35/02	B01D 35/05	Move 35/02 to AL (maj. Rule)		
B01D 53/50	B01D 53/60	Move 53/60 to CL		
B01D 53/56	B01D 53/60			
B01F 17/34	B01F 17/06	Move 17/06 to CL (maj. Rule)	EP: OK	
B01J 3/06	B01J 3/04	For symetry move both 3/03 and 3/04 to CL	EP: OK	
B01J 8/24	B01J 8/20	Move 8/20 to CL	EP: OK	
B05B 7/06	B05B 7/10	Move 7/06 to AL (maj. Rule)	EP: OK	

Source		Outpointer	Proposed Solution	Comments	Rapporteur's Opinion
B05B 7/14		B05B 7/16	Move 7/16 to CL (maj. Rule)	EP: OK	
B05B 13/02		B05B 13/06	Move 13/06 to CL	EP: OK	
B08B 1/04		B08B 1/02	Move 1/02 to CL	EP: OK	
B21B 1/22		B21B 1/42	Move 1/42 to CL (maj. Rule)	EP: OK	
B23Q 15/013		B23Q 15/12	Move 15/013 to AL (maj. Rule)	EP: OK	
B26D 1/04		B26D 1/46	For symetry and consistency, move 1/04, 1/12 and 1/14 to CL AL (maj. Rule)	EP: Proposed solution should read: move 1/04, 1/12 and 1/14 to AL	R. agrees with EP.
B26D 1/04		B26D 1/47		EP: OK	
B26D 1/12		B26D 1/547		EP: OK	
B26D 1/12		B26D 1/44		EP: OK	
B26D 3/28		B26D 3/30	Move 3/28 to AL (maj. Rule)	EP: OK	
B29C 63/26		B29C 63/38	Move 63/38 to CL	EP: OK	
B41J 2/015		B41J 2/215	Move 2/215 to CL	EP: OK	
B41J 2/44		B41J 2/475	Move 2/475 to CL	EP: OK	
B41J 2/447		B41J 2/475		EP: OK	
B41J 33/54		B41J 33/38	Move 33/54 to AL (maj. Rule)	EP: OK	
B41M 1/26		B41M 1/40	Move 1/40 to CL	EP: OK	
B42F 13/16		B42F 13/30	Move 13/16 to AL (maj. Rule)	EP: OK	
B43K 7/02		B43K 7/01	Move 7/02 to AL (maj. Rule)	EP: OK	
B60C 9/08		B60C 9/07	Move 9/08 to AL (maj. Rule)	EP: OK	
B60C 27/06		B60C 27/20	Move 27/06 to AL (maj. Rule)	EP: OK	
B60J 7/12		B60J 7/10	Move 7/12 to AL (maj. Rule)	EP: OK	
B60L 7/10		B60L 7/22	Move 7/10 to AL (maj. Rule)	EP: OK	
B60N 2/06		B60N 2/12	For symetry move 2/10 and 2/12 to CL	EP: OK	
B60N 2/26		B60N 2/30	Move 2/30 to CL (maj. Rule)	EP: OK	
B60P 3/40		B60P 3/022	Move 3/022 to CL (maj. Rule)	EP: OK	
B60Q 1/06		B60Q 1/05	Move 1/06 to AL (maj. Rule)	EP: OK	
B60R 1/06		B60R 1/08	Move 1/08 to CL (source has several CL subgroups)	EP: OK	

Source	Outpointer	Proposed Solution	Comments	Rapporteur's Opinion
B60R 9/04	B60R 9/08	Move 9/04 to AL (maj. Rule)	EP: OK	
B60R 13/02	B60R 13/01	Move 13/01 to CL (maj. Rule)	EP: OK	
B60R 22/36	B60R 22/343	Move 22/36 to AL (maj. Rule)	EP: OK	
B62B 3/02	B62B 3/14	Move 3/14 to CL (big file size of source group)	EP: OK	
B65B 51/10	B65B 51/09	Move 51/09 to CL (source has several CL subgroups)	EP: OK	
B65D 17/34	B65D 17/32	Move 17/34 to AL (maj. Rule)	EP: OK	
B65D 81/05	B65D 81/03	Move 81/03 to CL (source has several CL subgroups)	EP: OK	
B65D 88/02	B65D 88/78	Move 88/02 to AL (maj. Rule)	EP: OK	
B65D 88/16	B65D 88/78	Move 88/16 to AL (maj. Rule)	EP: OK	
B65D 88/26	B65D 88/78	Move 88/26 to AL (maj. Rule)	EP: Ok. For consistency B65G88/54, B65G65/30 and B65D90/54 should also be moved to AL. Remaining problem: pointer from F16J13/00 towards B65D90/54 should be adapted.	R. does not object EP proposal.
B65G 47/248	B65G 47/244	Move 47/248 to AL (maj. Rule)	EP: OK	
B65H 43/04	B65H 43/08	Move 43/08 to CL (less movements)	EP: OK	
B65H 43/06	B65H 43/08		EP: OK	
B67D 5/01	B67D 5/68	Move 5/68 to CL (source has several CL subgroups)	EP: OK	
C03B 37/018	C03B 37/016	Move 37/016 to CL (big file size of source group)		
C03B 37/02	C03B 37/04	Move 37/04 to CL (big file size of source group)		
C03C 17/23	C03C 17/02	Move 17/02 to CL (multiple references, large file size of source)		
C03C 17/34	C03C 17/44	Move 17/44 to CL (idem)		
C22B 3/20	C22B 3/18	Move 3/20 to AL (maj. Rule)		

Source		Outpointer	Proposed Solution	Comments	Rapporteur's Opinion
C23C 8/06		C23C 8/36	Remove precedence reference. 8/36 is a subgroup of 8/06		
C23C 18/16		C23C 18/54	Move 18/54 to CL (source has several CL subgroups)		
D01D 5/24		D01D 5/38	Move 5/24 to AL (maj. Rule)	EP: OK, however EPO prefers to move 5/38 to CL	R. maintains his proposal since 5/38 is a very small group.
D01D 5/253		D01D 5/38	Move 5/253 to AL (maj. Rule)	EP: OK, however EPO prefers to move 5/38 to CL	
D04H 1/46		D04H 1/45	Move 1/45 to CL (source has several CL subgroups)		
D06F 75/10		D06F 75/32	Move 75/10 to AL (maj. Rule)		
D06L 3/02		D06L 3/06	Move 3/02 to AL (maj. Rule)		
D21H 19/10		D21H 19/66	Due to several references in subgroups of 19/00 application of majority rule and consistency of references results in moving 19/10, 19/14, 19/20, 19/36, 19/38, 19/44 and 19/56 to AL		
D21H 19/36		D21H 19/66			
D21H 19/36		D21H 19/06			
E02D 3/02		E02D 3/11	Due to several references in subgroups of 3/00 application of majority rule and consistency of references results in moving 3/02, 3/10 and 3/12		
E02D 3/10		E02D 3/11			
E02D 3/10		E02D 3/054			
E04B 2/94		E04B 2/92	Move 2/94 to AL (small file size of source group)		

Source		Outpointer	Proposed Solution	Comments	Rapporteur's Opinion
E04B 5/02		E04B 5/48	Due to several references in subgroups of 5/00 application of majority rule and consistency of references results in moving 5/44, 5/46 and 5/48 to CL		
E04B 5/08		E04B 5/44			
E04B 5/16		E04B 5/48			
E04B 7/02		E04B 7/12	Due to several references in subgroups of 7/00 application of majority rule and consistency of references results in moving 7/10, 7/12 and 7/14 to CL		
E04B 7/08		E04B 7/14			
E04C 2/04		E04C 2/26	Move 2/26 to CL (2/04 has several CL subgroups)		
E04C 2/10		E04C 2/26			
E04C 2/52		E04C 2/54	Move 2/54 to CL (big file size of source group)		
E04C 3/02		E04C 3/38	Move 3/38 to CL (maj. Rule)		
E04C 3/04		E04C 3/29	Move 3/29 to CL (big file size of source group)		
E04C 3/34		E04C 3/36	Move 3/34 to AL (maj. Rule)		
E04G 11/06		E04G 11/04	Move 11/06 to AL (maj. Rule)		
E04H 6/18		E04H 6/14	Move 6/14 to CL (source has several CL subgroups)		
E05C 17/02		E05C 17/60	Move 17/02 to AL (maj. Rule)		
E06B 3/34		E06B 3/48	Move 3/34 to AL (maj. Rule)		
E06B 3/58		E06B 3/64	Move 3/64 to CL (big file size of source group)		
E06B 7/22		E06B 7/18	Move 7/18 to CL (big file size of source group)		

Source		Outpointer	Proposed Solution	Comments	Rapporteur's Opinion
E21B 7/18		E21B 7/14	Move 7/18 to AL (small file size of source group)	EP: OK, however EPO prefers to move 7/14 to CL	
F01L 1/04		F01L 1/10	Move 1/10 to CL (source has an AL subgroup)		
F01N 3/20		F01N 3/22	Move 3/22 to CL (big file size of source group)		
F01P 3/20		F01P 3/22	Move 3/22 to CL (big file size of source group)		
F02B 29/08		F02B 29/06	Move 29/08 to AL (maj. Rule)		
F02B 31/02		F02B 31/08	Move 31/02 to AL (maj. Rule)		
F02B 75/16		F02B 75/26	Move 75/16 to AL (maj. Rule)	EP: OK, possibly put "e.g. single cylinder engines" after 75/00 to indicate part of the scope	R. does not object EP proposal.
F02C 9/26		F02C 9/48	Move 9/26 to AL (maj. Rule)		
F02D 1/04		F02D 1/08	Move 1/08 to CL (big file size of source group)		
F02K 1/54		F02K 1/32	Move 1/54 to AL (maj. Rule)		
F02K 9/42		F02K 9/72	Move 9/42 to AL (maj. Rule)		
F16B 2/06		F16B 2/18	Move 2/06 to AL (maj. Rule, multiple references)	EP: Move 2/06 to AL and preferably 2/20 to CL to have all one dot groups in the CL	R. agrees with EP proposal to move also 2/20 to CL (medium group).
F16B 39/22		F16B 39/01	Move 39/22 to AL (maj. Rule)		
F16C 33/06		F16C 33/28	Move 33/06 to AL (maj. Rule, multiple references)	EP: Move also 33/10, 33/12 (depending on 33/06) to AL	R. agrees with EP proposal to move also 33/10, 33/12 to AL.
F16C 33/20		F16C 33/28	Move 33/20 to AL (maj. Rule, multiple references)		
F16D 25/06		F16D 25/02	Move 25/02 to CL (less movements)		
F16D 25/08		F16D 25/02			
F16F 13/06		F16F 13/26	Move 13/06 to AL (small file size of source group)		

Source		Outpointer	Proposed Solution	Comments	Rapporteur's Opinion
F16F 15/12		F16F 15/16	Move 15/16 to CL (source has several CL subgroups)		
F16H 3/46		F16H 3/78	Move 3/46 to AL (maj. Rule)		
F16H 3/62		F16H 3/78	Move 3/62 to AL (maj. Rule)		
F16H 59/44		F16H 59/46	Move 59/46 to CL (maj. Rule)		
F16K 3/22		F16K 3/28	Move 3/22 to AL (small file size of source group)		
F16L 3/16		F16L 3/01	Move 3/01 to CL (maj. Rule)		
F16L 9/12		F16L 9/22	Move 9/12 to AL (maj. Rule)		
F16L 21/08		F16L 21/06	Move 21/06 to CL (maj. Rule)		
F16L 23/02		F16L 23/12	Move 23/02 to AL (maj. Rule)		
F16L 37/08		F16L 37/26	Move 37/08 to AL (maj. Rule)		
F16L 37/12		F16L 37/084	Move 37/12 to AL (maj. Rule)		
F16L 59/14	R	F16L 59/12	Move 59/14 to AL (maj. Rule)		
F21V 7/04		F21V 7/22	Move 7/04 to AL (maj. Rule)	EP: Delete 7/02, 7/12 and 7/14 in CL	
F21V 17/02	R	F21V 17/08	Move 17/02 to AL (maj. Rule)		
F21V 21/02		F21V 21/08	Move 21/02 to AL (maj. Rule)	EP: OK, however EPO prefers to move all one dot groups to CL	R. maintains his opinion to move only 21/02 to AL.
F21V 21/02		F21V 21/06			
F24C 7/04		F24C 7/10	Move 7/10 to CL (maj. Rule)		
F24F 13/068		F24F 13/078	Move 13/068 to AL (maj. Rule)		
F24F 13/10		F24F 13/18	Move 13/18 to CL (source has several CL subgroups)		
F24H 3/02		F24H 3/12	Move 3/12 to CL (source has several CL subgroups)		
F25J 3/02		F25J 3/08	Move 3/08 to CL (source has several CL subgroups)	EP: OK, however EPO prefers to move also 3/06 to CL	
F27B 9/14		F27B 9/28	Move 9/14 to AL (maj. Rule)		

Source	Outpointer	Proposed Solution	Comments	Rapporteur's Opinion
F27D 1/14	F27D 1/10	Move 1/10 to CL (maj. Rule)	EP: OK, however EPO prefers to move also 1/02 to CL	
F27D 3/16	F27D 3/18	Move 3/16 to AL (maj. Rule)		
F28D 9/02	F28D 9/04	Move 9/02 to AL (small file size of source group)		
F28F 1/24	F28F 1/38	Move 1/38 to CL (source has several CL subgroups)		
G01D 5/12	G01D 5/06	Either movement implies movement of several groups. It should be checked whether the second example in 5/06 is correct. If not the reference in 5/12 could be removed	EP: Move all one-dot groups to AL SE: Only 5/02 and 5/06 would need to be moved to the core level. 5/12 has several advanced level subgroups, so it seems unreasonable to move it to the core level. The example appears correct.	R.: The structure of G01D 5/00 in the CL is quite complicated from the point of view of the CL. It contains several 4-dot groups, even one 5-dot subgroup. Furthermore, groups 5/02 and 5/06 are small groups. R. thinks that a decision should be taken based on technical and ease of use considerations on which subgroups of 5/00 should belong to the CL.
G01D 5/32	G01D 5/40	Move 5/40 to CL (source has several CL subgroups)	EP: Move all one-dot groups to AL	R.: See G01D 5/12.
G01K 7/22	G01K 7/26	Move 7/22 to AL (maj. Rule)	Keep only one-dot groups in CL (= move 7/10 and 7/22 to AL)	R. agrees with EP proposal to move 7/10 and 7/22 to AL.
G01K 11/12	G01K 11/32	Move 11/12 and 11/16 to AL (maj. Rule, symetry, low file size of 11/16)		
G01M 17/007	G01M 17/08	Move 17/08 to CL (source has several CL subgroups)	EP: Keep 17/007, 17/02 and 17/08 only in CL	R. agrees with EP proposal to move 17/04 to AL (small group) and 17/08 to CL.
G01N 3/08	G01N 3/28	Move 3/28 to CL (maj. Rule)	EP: Move all one-dot groups to AL	R. does not object EP proposal
G01N 3/10	G01N 3/18	Move 3/18 to CL (maj. Rule)	EP: ditto	R. does not object EP proposal

Source		Outpointer	Proposed Solution	Comments	Rapporteur's Opinion
G01N 17/02		G01N 17/04	Move 17/02 to AL (small file size of source group)		
G01N 21/05		G01N 21/09	Move 21/05 to AL (maj. Rule)	EP: Move all ≥ 3 -dot groups to AL	R. does not object EP proposal. However, it should be clarified if all one- and two-dot groups should be in the CL, or if only the ones already in the CL should remain.
G01N 21/21		G01N 21/19	Move 21/19 to CL (maj. Rule)	EP: ditto	
G01N 21/33		G01N 21/39	Move 21/39 to CL (maj. Rule)	EP: ditto	
G01N 21/35		G01N 21/39		EP: ditto	
G01N 23/207		G01N 23/201	Move 23/207 to AL (maj. Rule)	EP: Keep only one-dot groups in CL	R. does not object EP proposal.
G01P 3/36		G01P 3/68	Two alternatives, both imply moving several groups: 1. Move 3/36, 3/42, 3/44, 3/48, 3/481, 3/487 and 3/488 to AL or, 2. Move 3/50, 3/56, 3/64, 3/66, 3/68 and 3/80 to CL	EP: Keep only one-dot groups in CL <u>and</u> replace refs (under 3/36 and 3/42) to 3/68 and 3/66 with 3/64 SE: Given the high number of advanced level subgroups of 3/42 it seems unreasonable to move it to the advanced level - we prefer alternative 2. EP: ditto EP: ditto	R. leaves the decision to the WG.
G01P 3/42		G01P 3/66			
G01P 3/44		G01P 3/56			
G01R 31/3181		G01R 31/3177	Move 31/3181 to AL (maj. Rule)	EP: Keep only one-dot groups in CL	R. does not object EP proposal.
G01S 15/02		G01S 15/66	Move 15/66 to CL (source has several CL subgroups)	EP: Keep only 13/00, 15/00 and 17/00 in CL. Possibly put “,e.g. lidar systems” after title of 17/00	R. does not object EP proposal.
G01S 15/88		G01S 15/96	Move 39/22 to AL (maj. Rule)	EP: ditto	R. does not object EP proposal.

Source	Outpointer	Proposed Solution	Comments	Rapporteur's Opinion
G01S 17/02	G01S 17/66	1. Move 17/02, 17/06, 17/08, 17/10, 17/88 to AL or, 2. Move 17/32, 17/46, 17/66, 17/89, 17/93 and 17/95 to CL	EP: ditto SE: Move 17/66 to the core level.	R.: Independently of the issue of Core-Advanced level distribution, R. agrees with SE proposal to add one dot to groups 17/89, 17/93 and 17/95 and to remove the reference from 17/88.
G01S 17/88	G01S 17/95		EP: ditto SE: Horrible scheme-writing! Add one dot to each of 17/89, 17/93 and 17/95 and remove the precedence reference in 17/88!	
G01T 1/02	G01T 1/15	Move 1/02 to AL (maj. Rule)	EP: OK Move 2-dot groups to AL	R. does not object EP proposal.
G02B 1/04	G02B 1/08	Move 1/08 to CL (less movements)	EP: Keep one-dot groups only in CL	R. proposes to move 1/08 to CL and 1/11, 1/12 to AL.
G02B 1/10	G02B 1/08		EP: ditto	
G02B 23/02	G02B 23/14	Move 23/14 to CL (maj. Rule)	EP: Keep one-dot groups only in CL	R. maintains his proposal to move only 23/14 to CL (23/24 and 23/26 are medium to big groups).
G02F 1/025	G02F 1/017	Move 1/025 to AL (small file size of source group)	EP: Keep 2-dot groups only in CL	R. does not object EP proposal.
G04C 3/14	G04C 3/12	Move 3/14 to AL (maj. Rule)		
G05F 1/10	G05F 1/02	Move 1/02 to CL (maj. Rule)	EP: OK Keep one-dot groups only in CL	R. does not object EP proposal.
G05F 3/20	G05F 3/18	Move 3/18 to CL (source has several CL subgroups) Move also 3/24 and 3/30 to CL (maj. Rule)	EP: Keep 2-dot groups only in CL	R. does not object EP proposal.

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Source		Outpointer	Proposed Solution	Comments	Rapporteur's Opinion
G06F 13/24		G06F 13/32	Move 13/32 to CL (maj. Rule)	EP: Keep 2-dot groups only in CL	R. agrees with EP proposal. However, the precedence reference in 13/16 should point to 13/20 in the CL.
G06F 13/28		G06F 13/32		EP: ditto	
G06F 15/80		G06F 15/82	Move 15/82 to CL (maj. Rule)	EP: Keep one-dot groups only in CL	
G06G 7/18		G06G 7/19	Move 7/18 to AL (maj. Rule)	EP: Keep only 7/00 in CL (obsolete computer technology)	R. does not object EP proposal.
G08C 19/30		G08C 19/38	Move 19/38 to CL (maj. Rule)		
G10K 11/16		G10K 11/36	Move 11/36 to CL (source has several CL subgroups)	EP: Keep 11/00 only in CL	R. does not object EP proposal.
G10K 15/04		G10K 15/02	Move 15/02 to CL (maj. Rule)	EP: Keep one-dot groups only in CL	R. does not object EP proposal.
G11B 5/00	N	G11B 5/016	Replace 5/016 in the reference by 5/012 which is at the same indentation level as the first group in the range		
G11B 9/00	N	G11B 9/12	Move 9/10 and 9/12 to CL (maj. Rule)	EP: Keep 9/00 only in CL	
G11B 9/00	N	G11B 9/10		EP: ditto	
G11B 11/00	N	G11B 11/24	Move 11/03, 11/08, 11/16 and 11/24 to CL (less movements)	EP: Keep 11/00 only in CL	
G11B 11/00	N	G11B 11/03		EP: ditto	
G11B 11/00	N	G11B 11/16		EP: ditto	
G11B 11/12		G11B 11/03		EP: ditto	
G11B 23/04		G11B 23/12	Move 23/12 to CL (maj. Rule)		
G11C 27/02		G11C 27/04	Move 27/02 to AL (small file size of source group)		
H01C 1/148		H01C 1/142	Move 1/148 to AL (maj. Rule)		
H01F 1/01		H01F 1/44	Move 1/44 to CL (source has several CL subgroups)	EP: OK Move all >=4-dot groups to AL	R. agrees with EP proposal. Move 1/44 to CL and all subgroups with four or more dots to AL.

Source		Outpointer	Proposed Solution	Comments	Rapporteur's Opinion
H01F 1/03	N	H01F 1/40	Move 1/40 to CL (less movements)	EP: ditto	R. reconsiders his position in view of the very small file size of group 1/40 and prefers to move the note to AL.
H01F 7/16		H01F 7/17	Move 7/16 to AL (maj. Rule)	EP: OK Keep 2-dot groups only in CL	R. agrees with EP proposal, move 7/16 and 7/18 to AL.
H01F 10/16		H01F 10/13	Move 10/16 to AL (maj. Rule)		
H01G 4/30		H01G 4/33	Move 4/30 to AL (maj. Rule)		
H01J 29/50		H01J 29/51	Move 29/51 to CL (big file size of source group)		
H01J 37/34		H01J 37/36	Move 37/34 to AL (small file size of source group)		
H01L 21/263		H01L 21/261	Move 21/261 to CL (source has several CL subgroups)	EP: OK However EPO prefers to keep only the one-dot entries in the CL: move all others to AL.	R.: In view of the complexity of the scheme, R. does not object EP proposal. However, given the lack of time, R. was not able to check the reference scheme keeping only one-dot entries. A decision of principle should be taken and R. will check the references for the next meeting.
H01L 23/50	R	H01L 23/498	Replace 23/498 in the reference by 23/488 which is at the same indentation level as the first group in the range.	EP: OK However EPO prefers to keep only the one-dot entries in the CL: move all others to AL.	R.: See H01L 21/263.

Source		Outpointer	Proposed Solution	Comments	Rapporteur's Opinion
H01L 29/68		H01L 29/96	Move 29/96 to CL (less movements)	OK However EPO prefers to keep only the 2-dot entries in the CL: move all others to AL. EP: ditto EP: ditto	R.: See H01L 21/263.
H01L 29/84		H01L 29/96			
H01L 29/86		H01L 29/96			
H01M 10/30		H01M 10/34	Move 10/20 and 10/34 to CL in view of residual wording of 10/36	EP: OK However EPO prefers to keep only the one-dot entries in the CL: move all others to AL	R. has no objection on EP proposal. However, references should be rechecked if such an option is taken.
H01P 1/212		H01P 1/215	Move 1/215 to CL (maj. Rule)	EP: OK However EPO prefers to keep only the one-dot entries in the CL: move all others to AL EP: ditto	R.: See H01M 10/30.
H01P 1/213		H01P 1/215			
H01P 5/12		H01P 5/04	Move 5/02 and 5/04 to CL (less movements)		
H01Q 9/30		H01Q 9/44	Move 9/30 to AL (maj. Rule)		
H01R 4/38		H01R 4/50	Move 4/50 and 4/52 to CL (big file size of 4/48 which should be moved to AL in the oposite case)		
H01R 4/48		H01R 4/52			
H01R 4/58		H01R 4/01	Move 4/01 to CL (source has several CL subgroups)		
H01R 13/622		H01R 13/623	Move 39/22 13/622 to AL (maj. Rule)	EP: Move 13/622 to AL Yet EPO sees to many groups in CL	
H01R 43/048		H01R 43/042	Move 39/22 43/048 to AL (maj. Rule)	EP: Move 43/048 to AL	
H02K 37/10		H02K 37/02	Move 37/02 to CL (source has several CL subgroups)	EP: OK 37/14 could be moved to AL	R. agrees with EP proposal. Move 37/02 to CL and 37/14 to AL.
H02M 3/10		H02M 3/07	Move 3/06 and 3/07 to CL (less movements)	EP: Keep 2-dot entries only in CL	R.: See H01M 10/30.

Source		Outpointer	Proposed Solution	Comments	Rapporteur's Opinion
H03D 3/02		H03D 3/32	Move 3/02 and 3/24 to AL (less movements)		
H03F 3/20	R	H03F 3/32	In the reference replace 3/32 by 3/30		
H03F 3/60		H03F 3/54	Move 3/60 to AL (maj. Rule)		
H03H 3/02		H03H 3/08	Move 3/08 to CL (source has several CL subgroups)	EP: Keep one-dot group only in CL	R.: After consideration of the EP proposal, R. proposes to keep only 3/00 in the CL in view of the low file number of the remaining groups.
H03K 3/02		H03K 3/84	Move 3/02 to AL (less movements)		
H03K 3/53		H03K 3/335	Move 3/53 to AL (maj. Rule)		
H03K 17/945		H03K 17/96	Move 17/945 to AL (maj. Rule)		
H03K 19/08		H03K 19/12	Move 19/12 to CL (source has several CL subgroups)		
H03K 23/64		H03K 23/62	Move 23/64 to AL (maj. Rule)		
H03L 7/093		H03L 7/091	Move 7/093 to AL (less movements)	EP: Move >=3-dot groups to AL	R.: See H01M 10/30.
H04N 3/10		H04N 3/36	Move 3/36 to CL (less movements)		
H05H 1/32		H05H 1/28	Move 1/32 to AL (maj. Rule)		

[Annex II follows]

ANNEX II



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Principal Directorate Tools / Documentation

Comments	Project:	Subclass:	9 May 2003
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EP - comments on Outpointers (recalculation as of March 2003)
in the field of chemistry

Part 1: inorganic chemistry

(CRI = change reference in)

Source	Outpointer	IB-Redirection	EP-comments
C01C	C01B21/08 C01B21/092 C01B21/50	C01B21/00 C01B21/00 C01B21/00	] CRI: (----; azides, metal amides,] nitrites C01B21/00; ---)]
C01C	C01B25/08 C01B25/16	C01B25/00 C01B25/00	] CRI: (----; phosphides, salts of] oxyacids of phosphorus C01B25/00; --)
C01D	C01B17/22 C01B17/64	C01B17/00 C01B17/00	] CRI: (----; sulfides, polysulfides,] thiosulfates, dithionites, polythionates C01B17/00; ---)
C01D	C01B21/06 C01B21/08 C01B21/092 C01B21/50	C01B21/00 C01B21/00 C01B21/00 C01B21/00	] CRI: (--; binary compounds of nitrogen] with metals, azides, metal amides,] nitrites C01B21/00; ---)]
C01D	C01B25/08 C01B25/16	C01B25/00 C01B25/00	] CRI: (----; phosphides, salts of] oxyacids of phosphorus C01B25/00; --)
C01D	C01C3/08 C01C3/14 C01C3/16 C01C3/20	C01C3/00 C01C3/00 C01C3/00 C01C3/00	] CRI: (--; cyanides, salts of cyanic acid,] salts of cyanamide, thiocyanates] C01C3/00)]

C01F		C01B17/42 C01B17/64	C01B17/00 C01B17/00	] CRI: (----; sulfides or polysulfides of] magnesium----- or barium, thiosulfates,] dithionites, polythionates C01B17/00; ---)
C01F		C01B21/06 C01B21/08 C01B21/092 C01B21/50	C01B21/00 C01B21/00 C01B21/00 C01B21/00	] CRI: (--; binary compounds of nitrogen] with metals, azides, metal amides,] nitrites C01B21/00; ---)]
C01F		C01B25/08 C01B25/16	C01B25/00 C01B25/00	] CRI: (----; phosphides, salts of] oxyacids of phosphorus C01B25/00; --)
C01F		C01C3/08 C01C3/14 C01C3/16 C01C3/20	C01C3/00 C01C3/00 C01C3/00 C01C3/00	] CRI: (--; cyanides, salts of cyanic acid,] salts of cyanamide, thiocyanates] C01C3/00)]
C01G		C01B21/06 C01B21/08 C01B21/092 C01B21/50	C01B21/00 C01B21/00 C01B21/00 C01B21/00	] CRI: (--; binary compounds of nitrogen] with metals, azides, metal amides,] nitrites C01B21/00; ---)]
C01G		C01B25/08 C01B25/16	C01B25/00 C01B25/00	] CRI: (----; phosphides, salts of] oxyacids of phosphorus C01B25/00; --)
C01G		C01C3/08 C01C3/14 C01C3/16 C01C3/20	C01C3/00 C01C3/00 C01C3/00 C01C3/00	] CRI: (--; cyanides, salts of cyanic acid,] salts of cyanamide, thiocyanates] C01C3/00)]
C02F1/24	(P)	C02F1/465	C02F1/461	CRI: (by electroflotation C02F1/461)
C02F1/40		E03F5/16	E03F5/14	CRI: (---, devices in sewers for separating] liquid or solid substances from sewage, e.g.] for use in drains leading to the sewer] E03F5/14)
Note (4) after C02F9/00				Note (4) relates to double purpose codes (indexing) note to be deleted
Note after C03B5/00	(P,X)			Move note to advanced level

C03B11/12	(P)	C03B9/38	C03B9/00	CRI: (means for cooling, heating, or insulating glass blowing machines C03B9/00)
C03B37/018		C03B37/016	C03B37/014	CRI: (by a liquid phase reaction process, e.g. through a gel phase C03B37/014; surface ---- C03C17/00)
C03B37/02	(P,X)	C03B37/04	C03B37/01	CRI: (by using centrifugal force C03B37/01)
C03C12/00	(P)	C03C8/02	C03C8/00	CRI: (frit compositions, i.e. in a powdered or comminuted form C03C8/00)
C03C17/22	(X)	C03C17/44	C03C17/00	CRI: (lustring C03C17/00)
C03C17/23	(P,X)	C03C17/02	C03C17/00	CRI: (with glass C03C17/00)
C03C17/28	(X)	C03C17/44	C03C17/00	CRI: (lustring C03C17/00)
C03C17/34	(P,X)	C03C17/44	C03C17/00	CRI: (lustring C03C17/00)
Note after C10G45/00				Move C10G45/02, 45/32, 45/44 and 45/58 to core level, and keep note unchanged
C10G49/00		C10G45/02 C10G45/32 C10G45/44 C10G45/58	C10G45/00 C10G45/00 C10G45/00 C10G45/00	]Move C10G45/02, 45/32, 45/44 and] 45/58 to core level, and keep] title of C10G49/00 unchanged]
C10G75/00		C10G7/10	C10G7/00	CRI: (inhibiting corrosion during Distillation C10G7/00)
C11D1/72	(P)	C11D3/075	C11D3/06	CRI: (ethers of polyoxyalkylenes in admixture with water-soluble phosphates C11D3/06)
C21C7/072	(X)	C21C7/064	C21C7/04	CRI: (dephosphorising or desulfurising C21C7/04)
Note (1) after C22B3/00				Note (1) relates to double purpose codes (indexing) note to be deleted

C22B3/20	(P,X)	C22B3/18	C22B3/00	CRI: (extraction of metal compounds from ores or concentrates by wet processes with the aid of micro-organisms or enzymes C22B3/00)
Note after C22C30/00				Move unchanged note to advanced level
C23C8/06	(P,X)	C23C8/36	C23C8/06	Delete reference
C23C14/46	(P)	C23C14/40	C23C14/36	CRI: (diode sputtering with alternating current discharge C23C14/36)
C23C18/16	(P,X)	C23C18/54	C23C18/00	CRI: (contact plating, i.e. electroless electrochemical plating C23C18/00)
Note after C23G5/00	(X)			Move note unchanged to advanced level
C25C7/00		C25C3/22 C25C3/06	C25C3/00 C25C3/00	] CRI: (for the production of] aluminium C25C3/00)
C25D3/02		C25D5/32	C25D5/24	CRI: (C25D5/24 takes precedence)
C30B33/02	(X)	C30B33/04	C30B33/00	] CRI: (using electric or magnetic fields or] particle radiation, joining of crystals C30B33/00)
C30B33/02	(X)	C30B33/06	C30B33/00	

Further suggestion: add to title of C10G7/00 ---- oils, e.g. de-watering

General remark: we presume that, when two IPC7 references in the same entry are replaced by two (or more) new references pointing to the same group of the core level with the same wording, the second one will be deleted automatically.

P.Daeleman

Part 2: Organic chemistry

Fields: A01N, A61K, P and Q, C07-C09, C12.

We agree with all IB proposals in these fields which are not mentioned below.

P-notations: all OK

X-notations:

Source	Outpointer:	IB redirection:
A61K 31/615	A61K 31/621	A61K 31/60

We do not understand why A61K31/615 is mentioned alone in the table, and not also A61K 31/605, 31/61, 31/62 and 31/625.

The reference should now read: “transferred to 31/60”.

C07C 69/00	C07C 69/02	C07C69/00
to		
C07C 69/00	C07C 69/017	C07C69/00

Agree with suggestions and remarks from IB: move note to AL and move 69/003 and 69/007 to AL

C08C 19/00	C08C 19/30	C08C 19/00
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The note would not make any sense with 19/00, so we agree with IE to retain 19/30 in the CL.

C08F 4/00	C08F 4/02	C08F 4/00
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Agree with suggestions and remarks from IB: move note to AL

C08G 63/00	C08G 63/78	C08G 63/00
C08G 63/00	C08G 63/87	C08G 63/00

Agree with suggestions and remarks from IB: move note to AL

C09D 161/20	C09D 161/04	C09D 161/00
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Agree with IE to retain 161/04 in the CL.

C09K 13/00	C09K 13/02	C09K 13/00
C09K 13/00	C09K 13/12	C09K 13/00

Agree with suggestions and remarks from IB: move note to AL

C09K 15/00	C09K 15/02	C09K 15/00
C09K 15/00	C09K 15/34	C09K 15/00

Agree with suggestions and remarks from IB: move note to AL

C09K 17/00	C09K 17/50	C09K 17/40
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(only mentioned in the IB list)

Agree with suggestions and remarks from IB.

C09K 19/00	C09K 19/02	C09K 19/00
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In IPC7, there are three notes which are:

Notes

1. In groups C09K 19/02 to C09K 19/60, in the absence of an indication to the contrary, materials are classified in the last appropriate place. [4]

2. Mixtures containing two or more liquid crystal compounds covered individually by the same one of groups C09K 19/04 to C09K 19/40 are classified only in that group. [4]

3. If liquid crystal components of the mixtures classified in groups C09K 19/42 to C09K 19/50 are of interest as such, they are also classified according to the compounds in groups C09K 19/04 to C09K 19/40. [4]

Notes 2 and 3 should be moved to AL.

For Note 1, agree with IB to move 19/02 to AL and change Note with:

1. In groups C09K 19/02 to C09K 19/52, in the absence---

Concerning IB's second remark, 19/12 is already in AL.

C09K 21/00	C09K 21/02	C09K 21/00
C09K 21/00	C09K 21/14	C09K 21/00

Agree with suggestions and remarks from IB: move note to AL

C12P 33/00	C12P 33/02	C12P 33/00
C12P 33/00	C12P 33/20	C12P 33/00

Agree with suggestions and remarks from IB: move note to AL

Anne Glanddier.

[Annex III follows]

ANNEX III



Europäisches
Patentamt

GD1

European
Patent Office

DG1

Office européen
des brevets

DG1

Principal Directorate Tools/Documentation

Rijswijk, 15-May-03

Outpointers - proposal for simplification of the core level of subclass G02F

We have found that in many cases, a simplification and symmetrisation of the scheme would contribute largely to avoiding outpointer problems.

For this reason, we join as an example a proposal for simplification of subclass G02F, where, due to high PCT-min.doc. numbers, even five-dot groups were put in the core level by the statistical method. This technology is however not very active in non-PCT minimum countries and non-PCT document counts are very low (We have removed KR from the non-PCT minimum counts, because KIPO is going to use the advanced level).

			non-PCT- minimum documents	redirected references
G02F		DEVICES OR ARRANGEMENTS, THE OPTICAL OPERATION OF WHICH IS MODIFIED BY CHANGING THE OPTICAL PROPERTIES OF THE MEDIUM OF THE DEVICES OR ARRANGEMENTS FOR THE CONTROL OF THE INTENSITY, COLOUR, PHASE, POLARISATION OR DIRECTION OF LIGHT, e.g. SWITCHING, GATING, MODULATING OR DEMODULATING; TECHNIQUES OR PROCEDURES FOR THE OPERATION THEREOF; FREQUENCY-CHANGING; NON-LINEAR OPTICS; OPTICAL LOGIC ELEMENTS; OPTICAL ANALOGUE/DIGITAL CONVERTERS (optical transfer means between sensing member and indicating or recording part in connection with measuring G01D 5/26; devices in which mathematical operations are carried out with optical elements G06E 3/00; electrical signal transmission systems using optical means to convert the input signal G08C 19/36; information-recording by electric or magnetic means and reproducing by sensing optical properties G11B 11/00; static stores using optical elements G11C 13/04; transmission systems employing electromagnetic waves other than radio waves, e.g. light, infra-red radiation, H04B 10/00; optical multiplex systems H04J 14/00; pictorial communication, e.g. television H04N) [2,4]		

IPC/WG/9/3
Annex III, page 2

G02F 1/00		Devices or arrangements for the control of the intensity, colour, phase, polarisation or direction of light arriving from an independent light source, e.g. switching, gating or modulating; Non-linear optics (thermometers using change of colour or translucency G01K 11/12, using changes in fluorescence G01K 11/32; light guide devices G02B 6/00; optical devices or arrangements using movable or deformable elements for controlling light independent of the light source G02B 26/00; control of light in general G05D 25/00; visible signalling systems G08B 5/00; indicating arrangements for variable information by selection or combination of individual elements G09F 9/00; control arrangements or circuits for visual indicators other than cathode-ray tubes G09G 3/00; control of light sources H01S 3/10, H05B 33/08, H05B 35/00 to H05B 43/00) [2,4]	83	
G02F 1/01	.	for the control of the intensity, phase, polarisation or colour (G02F 1/29, G02F 1/35 take precedence; polarizing elements per se G02B 5/30; static storage per se G11C; image tube screens acting as light valves by shutter operation H01J 29/12; such screen acting by discoloration H01J 29/14) [2,7]	326	
G02F 1/13	..	based on liquid crystals, e.g. single liquid crystal display cells (liquid crystal materials C09K 19/00) [2]	313	
G02F 1/29	.	for the control of the position or the direction of light beams, i.e. deflection (static stores with electric or magnetic read-in and optical read-out G11C; lasers provided with means to change the location from which, or the direction in which, laser radiation is emitted H01S 3/101) [4]	88	
G02F 1/35	.	Non-linear optics (optical bistable devices G02F 3/00; lasers using stimulated Brillouin or Raman effect H01S 3/30) [2,5]	53	3/02 -> 3/00
G02F 2/00		Demodulating light; Transferring the modulation of modulated light; Frequency-changing of light (G02F 1/35 takes precedence; photoelectric detecting or measuring devices G01J, H01J 40/00, H01L 31/00; demodulating laser arrangements H01S 3/10; demodulation or transference of modulation of modulated electromagnetic waves in general H03D 9/00) [2]	35	
G02F 3/00		Optical logic elements (electric-pulse generators using opto-electronic devices as active elements H03K 3/42; logic circuits using opto-electronic devices H03K 19/14); Optical bistable devices [5]	21	
G02F 7/00		Optical analogue/digital converters	14	

Heiko Wongel

[End of Annex III and of document]