

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 867

DATE: MAY 1, 2020

PROJECT RP0658

**The following classification changes will be effected by this Notice of Changes:**

<u>Action*</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>SCHEME:</b>		
Symbols Deleted:	F01L	2101/00, 2101/02
	F01L	2103/00, 2103/01, 2103/02
	F01L	2105/00, 2105/02
	F01L	2107/00
	F01L	2109/00
	F01L	2111/00
	F01L	2113/00
Symbols New:	F01L	2301/00, 2301/02
	F01L	2303/00, 2303/01, 2303/02
	F01L	2305/00, 2305/02
	F01L	2307/00
	F01L	2309/00
	F01L	2311/00
	F01L	2313/00

**The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL):**

F01L1/12, F01L1/14, F01L1/24, F01L1/352, F01L7/00

**This Notice of Changes includes the following [Check the ones included]:**

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3.  REVISION CONCORDANCE LIST (RCL)

4.  CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5.  CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

**F01L CYCLICALLY OPERATING VALVES FOR MACHINES OR ENGINES (valves in general F16K)**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
D	F01L 2101/00	0	Using particular materials	<administrative transfer to F01L 2301/00>
D	F01L 2101/02	1	Using ceramic materials	<administrative transfer to F01L 2301/02>
D	F01L 2103/00	0	Manufacturing of components used in valve arrangements	<administrative transfer to F01L 2303/00>
D	F01L 2103/01	1	Tools for producing, mounting or adjusting, e.g. some part of the distribution	<administrative transfer to F01L 2303/01>
D	F01L 2103/02	1	Initial camshaft settings	<administrative transfer to F01L 2303/02>
D	F01L 2105/00	0	Valve arrangements comprising rollers	<administrative transfer to F01L 2305/00>
D	F01L 2105/02	1	Mounting of rollers	<administrative transfer to F01L 2305/02>
D	F01L 2107/00	0	Preventing the rotation of tappets	<administrative transfer to F01L 2307/00>
D	F01L 2109/00	0	Self-contained lash adjusters	<administrative transfer to F01L 2309/00>
D	F01L 2111/00	0	Differential gears located between crankshafts and camshafts for varying the timing of valves	<administrative transfer to F01L 2311/00>
D	F01L 2113/00	0	Rotary valve drives	<administrative transfer to F01L 2313/00>
U	F01L 2250/06	1	the camshaft being driven by gear wheels	
N	F01L 2301/00	0	Using particular materials	
N	F01L 2301/02	1	Using ceramic materials	
N	F01L 2303/00	0	Manufacturing of components used in valve arrangements	
N	F01L 2303/01	1	Tools for producing, mounting or adjusting, e.g. some part of the distribution	
N	F01L 2303/02	1	Initial camshaft settings	
N	F01L 2305/00	0	Valve arrangements comprising rollers	

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
N	F01L 2305/02	1	Mounting of rollers	
N	F01L 2307/00	0	Preventing the rotation of tappets	
N	F01L 2309/00	0	Self-contained lash adjusters	
N	F01L 2311/00	0	Differential gears located between crankshafts and camshafts for varying the timing of valves	
N	F01L 2313/00	0	Rotary valve drives	

\*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- \*\*No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types .
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD> , <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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3. REVISION CONCORDANCE LIST (RCL)

<b>Type*</b>	<b>From CPC Symbol (existing)</b>	<b>To CPC Symbol(s)</b>
D	F01L 2101/00	<administrative transfer to F01L 2301/00>
D	F01L 2101/02	<administrative transfer to F01L 2301/02>
D	F01L 2103/00	<administrative transfer to F01L 2303/00>
D	F01L 2103/01	<administrative transfer to F01L 2303/01>
D	F01L 2103/02	<administrative transfer to F01L 2303/02>
D	F01L 2105/00	<administrative transfer to F01L 2305/00>
D	F01L 2105/02	<administrative transfer to F01L 2305/02>
D	F01L 2107/00	<administrative transfer to F01L 2307/00>
D	F01L 2109/00	<administrative transfer to F01L 2309/00>
D	F01L 2111/00	<administrative transfer to F01L 2311/00>
D	F01L 2113/00	<administrative transfer to F01L 2313/00>

\* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“To”) symbol, however it is required to specify “<no transfer>” in the “To” column for such cases.
- RCL is not needed for finalisation projects.

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4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
F01L 2101/00		DELETE
F01L 2101/02		DELETE
F01L 2103/00		DELETE
F01L 2103/01		DELETE
F01L 2103/02		DELETE
F01L 2105/00		DELETE
F01L 2105/02		DELETE
F01L 2107/00		DELETE
F01L 2109/00		DELETE
F01L 2111/00		DELETE
F01L 2113/00		DELETE
F01L 2301/00	CPCONLY	NEW
F01L 2301/02	CPCONLY	NEW
F01L 2303/00	CPCONLY	NEW
F01L 2303/01	CPCONLY	NEW
F01L 2303/02	CPCONLY	NEW
F01L 2305/00	CPCONLY	NEW
F01L 2305/02	CPCONLY	NEW
F01L 2307/00	CPCONLY	NEW
F01L 2309/00	CPCONLY	NEW
F01L 2311/00	CPCONLY	NEW
F01L 2313/00	CPCONLY	NEW

\*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

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5. CROSS-REFERENCE LIST (CRL)

Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
F01L1/12	F01L2105/00	Informative references	Replace with F01L2305/00
F01L1/12	F01L2105/02	Informative references	Replace with F01L2305/02
F01L1/14	F01L2107/00	Informative references	Replace with F01L2307/00
F01L1/24	F01L2109/00	Informative references	Replace with F01L2309/00
F01L1/352	F01L2111/00	Informative references	Replace with F01L2311/00
F01L7/00	F01L2113/00	Informative references	Replace with F01L2313/00

NOTES:

- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions **inside** the project scope will be reflected in the “scheme change” template or one of the “definition” templates.
- In addition to other changes proposed in the tables above, in the column titled “Referenced subclass or group to be changed,” **referenced** D symbols should indicate an action of “delete” or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.