

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 595

DATE: JANUARY 1, 2019

PROJECT RP0536

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	F02M	37/221, 37/223, 2037/225, 2037/226, 2037/228
Symbols New:	F02M	37/24, 37/26, 37/28, 37/30, 37/32, 37/34, 37/36, 37/38, 37/40, 37/42, 37/44, 37/46, 37/48, 37/50, 37/52, 37/54
Titles Changed:	F02M	37/22
Warnings New:	F02M	37/22, 37/24, 37/26, 37/28, 37/30, 37/32, 37/34, 37/36, 37/38, 37/40, 37/42, 37/44, 37/46, 37/48, 37/50, 37/52, 37/54
DEFINITIONS:		
Definitions New:	F02M	37/22, 37/54
Definitions Modified:	B01D	subclass
	B01D	35/00
	B01D	36/00
	B01D	61/00
	B01D	63/00
	F02M	31/00

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)**SUBCLASS F02M - SUPPLYING COMBUSTION ENGINES IN GENERAL, WITH COMBUSTIBLE MIXTURES OR CONSTITUENTS THEREOF**

<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>
C	F02M 37/22	1	Arrangements for purifying liquid fuel specially adapted for, or arranged on, internal-combustion engines, e.g. arrangements in the feeding system	F02M37/22, F02M37/24, F02M37/26, F02M37/28, F02M37/30, F02M37/32, F02M37/34, F02M37/36, F02M37/38, F02M37/40, F02M37/42, F02M37/44, F02M37/46, F02M37/48, F02M37/50, F02M37/52, F02M37/54
D	F02M37/221	2	{having water separator means }	<administrative transfer to F02M37/24>
D	F02M37/223	2	{having heating means (F02M37/221 takes precedence)}	<administrative transfer to F02M37/30>
D	F02M2037/225	2	{having pump means in the filter housing}	<administrative transfer to F02M37/44 INV>
D	F02M2037/226	2	{having pressure regulator means in the filter housing}	<administrative transfer to F02M37/46 INV>
D	F02M2037/228	2	{Fuel tank strainers }	<administrative transfer to F02M37/50 INV>
Q	F02M 37/24	2	characterised by water separating means	F02M37/24, F02M37/26, F02M37/28, F02M37/30
N	F02M 37/26	3	with water detection means	
N	F02M 37/28	4	with means activated by the presence of water, e.g. alarms or means for automatic drainage	
N	F02M 37/30	2	characterised by heating means	
N	F02M 37/32	2	characterised by filters or filter arrangements	
N	F02M 37/34	3	by the filter structure, e.g. honeycomb, mesh or fibrous	
N	F02M 37/36	3	with bypass means	
N	F02M 37/38	3	with regeneration means	
N	F02M 37/40	3	with means for detection of clogging	
N	F02M 37/42	3	Installation or removal of filters	
N	F02M 37/44	3	Filters structurally associated with pumps	

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
N	F02M 37/46	3	Filters structurally associated with pressure regulators	
N	F02M 37/48	3	Filters structurally associated with fuel valves	
N	F02M 37/50	3	Filters arranged in or on fuel tanks	
N	F02M 37/52	3	using magnetic means	
N	F02M 37/54	2	characterised by air purging means (having priming pumps F02M 37/16)	

*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; E= 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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B. New, Modified or Deleted Warning(s)**SUBCLASS F02M - SUPPLYING COMBUSTION ENGINES IN GENERAL, WITH COMBUSTIBLE MIXTURES OR CONSTITUENTS THEREOF**

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	F02M 37/22		Group F02M 37/22 is impacted by reclassification into groups F02M 37/24, F02M 37/26, F02M 37/28, F02M 37/30, F02M 37/32, F02M 37/34, F02M 37/36, F02M 37/38, F02M 37/40, F02M 37/42, F02M 37/44, F02M 37/46, F02M 37/48, F02M 37/50, F02M 37/52, and F02M 37/54. All groups listed in this Warning should be considered in order to perform a complete search.
N	F02M 37/24		Group F02M 37/24 is impacted by reclassification into groups F02M 37/24 –F02M 37/30. All groups listed above should be considered in order to perform a complete search.
N	F02M 37/26		Group F02M 37/26 is incomplete pending reclassification of documents from groups F02M 37/22 and F02M 37/24. Groups F02M 37/22, F02M 37/24, and F02M 37/26 should be considered in order to perform a complete search.
N	F02M 37/28		Group F02M 37/28 is incomplete pending reclassification of documents from groups F02M 37/22 and F02M 37/24. Groups F02M 37/22, F02M 37/24, and F02M 37/28 should be considered in order to perform a complete search.
N	F02M 37/30		Group F02M 37/30 is incomplete pending reclassification of documents from groups F02M 37/22 and F02M 37/24. Groups F02M 37/22, F02M 37/24, and F02M 37/30 should be considered in order to perform a complete search.
N	F02M 37/32		Group F02M 37/32 is incomplete pending reclassification of documents from group F02M 37/22. Groups F02M 37/22 and F02M 37/32 should be considered in order to perform a complete search.
N	F02M 37/34		Group F02M 37/34 is incomplete pending reclassification of documents from group F02M 37/22. Groups F02M 37/22 and F02M 37/34 should be considered in order to perform a complete search.
N	F02M 37/36		Group F02M 37/36 is incomplete pending reclassification of documents from group F02M 37/22. Groups F02M 37/22 and F02M 37/36 should be considered in order to perform a complete search.
N	F02M 37/38		Group F02M 37/38 is incomplete pending reclassification of documents from group F02M 37/22. Groups F02M 37/22 and F02M 37/38 should be considered in order to perform a complete search.
N	F02M 37/40		Group F02M 37/40 is incomplete pending reclassification of documents from group F02M 37/22. Groups F02M 37/22 and F02M 37/40 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	F02M 37/42		Group F02M 37/42 is incomplete pending reclassification of documents from group F02M 37/22. Groups F02M 37/22 and F02M 37/42 should be considered in order to perform a complete search.
N	F02M 37/44		Group F02M 37/44 is incomplete pending reclassification of documents from group F02M 37/22. Groups F02M 37/22 and F02M 37/44 should be considered in order to perform a complete search.
N	F02M 37/46		Group F02M 37/46 is incomplete pending reclassification of documents from group F02M 37/22. Groups F02M 37/22 and F02M 37/46 should be considered in order to perform a complete search.
N	F02M 37/48		Group F02M 37/48 is incomplete pending reclassification of documents from group F02M 37/22. Groups F02M 37/22 and F02M 37/48 should be considered in order to perform a complete search.
N	F02M 37/50		Group F02M 37/50 is incomplete pending reclassification of documents from group F02M 37/22. Groups F02M 37/22 and F02M 37/50 should be considered in order to perform a complete search.
N	F02M 37/52		Group F02M 37/52 is incomplete pending reclassification of documents from group F02M 37/22. Groups F02M 37/22 and F02M 37/52 should be considered in order to perform a complete search.
N	F02M 37/54		Group F02M 37/54 is incomplete pending reclassification of documents from group F02M 37/22. Groups F02M 37/22 and F02M 37/54 should be considered in order to perform a complete search.

*N = new warning, M = modified warning, D = deleted warning

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

2. A. DEFINITIONS (New)

Insert the following new definitions.

F02M37/32

Definition statement

This place covers:

Arrangements for purifying liquid fuel specially adapted for, or arranged on, internal-combustion engines, e.g. arrangements in the feeding system that are characterised by filters or filter arrangements.

References

Informative References

Attention is drawn to the following places, which may be of interest for search:

Separation, e.g. filters	B01D
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F02M 37/54

Definition statement

This place covers:

Arrangements for purifying liquid fuel specially adapted for, or arranged on, internal-combustion engines characterised by air purging means.

References

Limiting References

This place does not cover:

Having priming pumps	F02M 37/16
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Informative References

Attention is drawn to the following places, which may be of interest for search:

Characterised by means for preventing vapour lock	F02M 37/20
Devices for the removal of gas, e.g. air purge systems	B01D 36/001

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2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
B01D	Limiting References	Treatment of water C02F	DELETE the existing row from the Limiting references table.
B01D	Limiting References	Treatment of water softening by ion-exchange C02F 1/42	DELETE the existing row from the Limiting references table.
B01D	Limiting References	of air intake cleaners in gas turbine plants F02C 7/05	DELETE the existing row from the Limiting references table.
B01D	Limiting References	Arrangements or mounting of filters in air-conditioning, air-humidification or ventilation F24F 13/28	DELETE the existing row from the Limiting references table.
B01D	Application-oriented References		ADD the following row to the Application-oriented references table. Filters for liquid fuel specially adapted for, or arranged on, internal-combustion engines F02M 37/22
B01D	Application-oriented References	Production or purification of sugar juices, e.g. by osmosis C13D 3/16	REPLACE the symbol in the Application-oriented references table with the following symbol: C13B 20/16
B01D	Application-oriented References	Extraction of sugar from molasses, e.g. by osmosis C13J 1/08	REPLACE in the Application-oriented references table <u>only</u> the symbol with the following symbol: C13B 35/08

NOTES:

- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.

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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	F02M 37/22	F02M 37/22, F02M 37/24, F02M 37/26, F02M 37/28, F02M 37/30, F02M 37/32, F02M 37/34, F02M 37/36, F02M 37/38, F02M 37/40, F02M 37/42, F02M 37/44, F02M 37/46, F02M 37/48, F02M 37/50, F02M 37/52, F02M 37/54
D	F02M 37/221	<administrative transfer to F02M 37/24>
D	F02M 37/223	<administrative transfer to F02M 37/30>
D	F02M 2037/225	<administrative transfer to F02M 37/44 INV>
D	F02M 2037/226	<administrative transfer to F02M 37/46 INV>
D	F02M 2037/228	<administrative transfer to F02M 37/50 INV>
Q	F02M 37/24	F02M 37/24, F02M 37/26, F02M 37/28, F02M 37/30

* 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>
F02M 37/221		DELETE
F02M 37/223		DELETE
F02M 2037/225		DELETE
F02M 2037/226		DELETE
F02M 2037/228		DELETE
F02M 37/24	F02M 37/24	NEW
F02M 37/26	F02M 37/26	NEW
F02M 37/28	F02M 37/28	NEW
F02M 37/30	F02M 37/30	NEW
F02M 37/32	F02M 37/32	NEW
F02M 37/34	F02M 37/34	NEW
F02M 37/36	F02M 37/36	NEW
F02M 37/38	F02M 37/38	NEW
F02M 37/40	F02M 37/40	NEW
F02M 37/42	F02M 37/42	NEW
F02M 37/44	F02M 37/44	NEW
F02M 37/46	F02M 37/46	NEW
F02M 37/48	F02M 37/48	NEW
F02M 37/50	F02M 37/50	NEW
F02M 37/52	F02M 37/52	NEW
F02M 37/54	F02M 37/54	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.
- E 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>
B01D 35/00	F02M 37/223	Informative References	REPLACE the existing symbol with the following symbol: F02M 37/30
B01D 36/00	F02M 37/221	Informative References	REPLACE the existing symbol with the following symbol: F02M 37/24
B01D 61/00	F02M 37/221	Informative References	REPLACE the existing symbol with the following symbol: F02M 37/24
B01D 63/00	F02M 37/221	Informative References	REPLACE the existing symbol with the following symbol: F02M 37/24
F02M 31/00	F02M 37/223	Relationships with other classification places	REPLACE the existing symbol with the following symbol: F02M 35/024

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.