

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1001

DATE: JANUARY 1, 2021

PROJECT MP0485

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Titles Changed:	F02F	SUBCLASS
	F02F	1/00, 1/186, 1/34, 1/40, 1/4221, 1/4228
	F02F	3/00
	F02F	7/00, 7/006, 7/008
	F02F	11/00
Warnings Deleted:	F02F	Subclass
DEFINITIONS:		
Definitions New:	F02F	Subclass
	F02F	1/186, 1/4221
	F02F	7/006, 7/008
Definitions Modified:	F02F	1/00, 1/02
	F02F	3/00
	F02F	11/00

No other subclasses/groups are impacted by this Notice of Changes.

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 F02F - CYLINDERS, PISTONS OR CASINGS, FOR COMBUSTION ENGINES; ARRANGEMENTS OF SEALINGS IN COMBUSTION ENGINES (specially adapted for rotary-piston or oscillating-piston internal-combustion engines F02B; specially adapted for gas-turbine plants F02C; specially adapted for jet propulsion plants F02K)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	F02F	SUBCLASS	CYLINDERS, PISTONS OR CASINGS, FOR COMBUSTION ENGINES; ARRANGEMENTS OF SEALINGS IN COMBUSTION ENGINES	
M	F02F 1/00	0	Cylinders; Cylinder heads	
M	F02F 1/186	2	{ for use in engines with two or more pistons reciprocating within same cylinder }	
M	F02F 1/34	5	with means for directing or distributing cooling medium	
M	F02F 1/40	4	cylinder heads with means for directing, guiding, or distributing liquid stream	
M	F02F 1/4221	4	{ particularly for three or more inlet valves }	
M	F02F 1/4228	3	{ Helically-shaped channels (imparting a rotation to the charge in the cylinder F02B 31/00) }	
M	F02F 3/00	0	Pistons	
M	F02F 7/00	0	Casings, e.g. crankcases {or frames }	
M	F02F 7/006	1	{ Camshaft or pushrod housings }	
M	F02F 7/008	2	{ Sound insulation }	
M	F02F 11/00	0	Arrangements of sealings in combustion engines (piston rings {F16J 9/00})	

*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:

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- **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 F02F - CYLINDERS, PISTONS OR CASINGS, FOR COMBUSTION ENGINES; ARRANGEMENTS OF SEALINGS IN COMBUSTION ENGINES (specially adapted for rotary-piston or oscillating-piston internal-combustion engines F02B; specially adapted for gas-turbine plants F02C; specially adapted for jet propulsion plants F02K)

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
D	F02F	In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.	Delete existing Warning

*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)

F02F

References

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Specially adapted for rotary-piston or oscillating-piston internal-combustion engines	F02B
Specially adapted for gas-turbine plants	F02C
Specially adapted for jet-propulsion plants	F02K

F02F 1/186

References

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Internal-combustion piston engines or combustion engines in general with two or more pistons reciprocating within same cylinder or within essentially coaxial cylinders	F02B 75/28
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F02F 1/4221

References

Informative

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

Mechanisms for driving three or more intake valves per cylinder	F01L 1/265
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F02F 7/006

References

Informative

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

Oil sump details	F01M 11/0004
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F02F 7/008

References

Informative

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

Acoustic insulation for internal-combustion piston engines or combustion engines in general	F02B 77/13
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2. A. DEFINITIONS (modified)

F02F 1/00

References

Delete: Limiting references section and table

Insert: New Informative references section and table shown below:

Informative

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

Cylinders and cylinder heads in general	F16J
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F02F1/02

References

Insert: New Limiting references section and table as shown below:

Limiting references

This place does not cover:

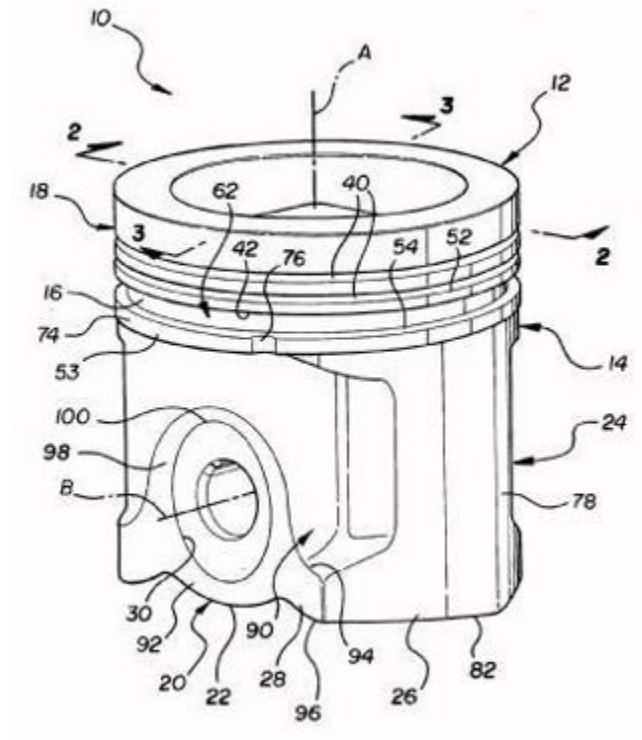
Cylinder heads	F02F1/26
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F02F 3/00

Definition statement

This place covers:

Replace: Existing image with the modified image below:



F02F 11/00

References

Limiting references

This place does not cover:

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Delete: The row for “Sealings per se” so that the Limiting references table looks like the one below:

Piston rings for combustion engines	F16J9/00
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Informative references

Insert: New Informative references section and table as shown below:

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

Sealings per se	F16J
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