

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 674

DATE: MAY 1, 2019

PROJECT RP0160

**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:	H03M	13/005
Symbols Deleted Pending Reclassification: (frozen (F))	H03M	13/42
Titles Changed:	H03M	13/3905
Warnings New:	H03M	13/3905, 13/3911, 13/3916, 13/3922, 13/3927, 13/3933, 13/3938, 13/42
<b>DEFINITIONS:</b>		
Definitions Modified:	H03M	13/00

**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 H03M – Coding, decoding or code conversion**

<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	H03M 13/005	1	{using punctured codes}	<administrative transfer to H03M 13/6362>
F	H03M 13/42	3	{MAP decoding or approximations thereof based on trellis or lattice decoding, e.g. forward-backward algorithm, log-MAP decoding, max-log-MAP decoding}	H03M 13/3905, H03M 13/3911, H03M 13/3916, H03M 13/3922, H03M 13/3927, H03M 13/3933, H03M 13/3938
T	H03M 13/3905	3	{Maximum a posteriori probability [MAP] decoding or approximations thereof based on trellis or lattice decoding, e.g. forward-backward algorithm, log-MAP decoding, max-log-MAP decoding}	

\*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”.

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- 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 H03M – Coding, decoding or code conversion**

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	H03M 13/3905		Group H03M 13/3905 is incomplete pending reclassification of documents from group H03M 13/42. Groups H03M 13/42 and H03M 13/3905 should be considered in order to perform a complete search.
N	H03M 13/3911		Group H03M 13/3911 is incomplete pending reclassification of documents from group H03M 13/42. Groups H03M 13/42 and H03M 13/3911 should be considered in order to perform a complete search.
N	H03M 13/3916		Group H03M 13/3916 is incomplete pending reclassification of documents from group H03M 13/42. Groups H03M 13/42 and H03M 13/3916 should be considered in order to perform a complete search.
N	H03M 13/3922		Group H03M 13/3922 is incomplete pending reclassification of documents from group H03M 13/42. Groups H03M 13/42 and H03M 13/3922 should be considered in order to perform a complete search.
N	H03M 13/3927		Group H03M 13/3927 is incomplete pending reclassification of documents from group H03M 13/42. Groups H03M 13/42 and H03M 13/3927 should be considered in order to perform a complete search.
N	H03M 13/3933		Group H03M 13/3933 is incomplete pending reclassification of documents from group H03M 13/42. Groups H03M 13/42 and H03M 13/3933 should be considered in order to perform a complete search.
N	H03M 13/3938		Group H03M 13/3938 is incomplete pending reclassification of documents from group H03M 13/42. Groups H03M 13/42 and H03M 13/3938 should be considered in order to perform a complete search.
N	H03M 13/42		Group H03M 13/42 is no longer used for the classification of documents as of MAY 1, 2019. The content of this group is being reclassified into groups H03M 13/3905, H03M 13/3911, H03M 13/3916, H03M 13/3922, H03M 13/3927, H03M 13/3933 and H03M 13/3938. All groups listed in this Warning 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 (modified)

### H03M13/00

#### Special rules of classification

**Replace:** The acronym “ECLA” with the acronym “CPC” in the paragraph following the line “Further information:”.

**Delete:** The 1<sup>st</sup> and 2<sup>nd</sup> bullets under the group header symbol **H03M 13/005**

- denotes punctured codes in general when no particular details about puncturing are provided
- subgroup **H03M 13/6362** should be used for documents that disclose particular details regarding a strategy/scheme for rate matching by puncturing that extends beyond the mere use of punctured codes

and replace with the following new bullet:

- covers punctured codes in general and particular details regarding a strategy/scheme for rate matching by puncturing that extends beyond the mere use of punctured codes

**Replace:** The group header “**H03M 13/005**” immediately following the line

“Further information:”

and paragraph

“It follows a brief explanation ... meant to fall within their scope”

with the new group symbol “**H03M 13/6362**”.

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3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	H03M 13/005	< administrative transfer to H03M 13/6362>
F	H03M 13/42	H03M 13/3905, H03M 13/3911, H03M 13/3916, H03M 13/3922, H03M 13/3927, H03M 13/3933, H03M 13/3938

\* 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.

NOTES:

- Only C, D, F and Q type entries are included in the table above.
- When multiple symbols are included in the “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>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H03M 13/005		DELETE

\*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.