

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 482

DATE: JANUARY 1, 2018

PROJECT RP0496

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols New:	H01R	4/2406, 4/2407, 4/2452, 4/2455, 4/2456
Titles Changed:	H01R	4/24, 4/2404, 4/2408, 4/2412, 4/2416, 4/242, 4/2425, 4/2429, 4/2433, 4/2437, 4/2441, 4/2445, 4/245, 4/2454, 4/2458, 4/2462, 4/2466, 4/247, 4/2475, 4/2479, 4/2483, 4/2487, 4/2491, 4/2495
Warnings New:	H01R	4/2404, 4/2406, 4/2407, 4/2408, 4/2412, 4/245, 4/2452, 4/2455, 4/2456
DEFINITIONS:		
Definitions Modified:	H01R	4/24, 4/2404, 4/2408

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)

CPC NOTICE OF CHANGES 482

DATE: JANUARY 1, 2018

PROJECT RP0496

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS H01R – ELECTRICALLY-CONDUCTIVE CONNECTIONS; STRUCTURAL ASSOCIATIONS OF A PLURALITY OF MUTUALLY-INSULATED ELECTRICAL CONNECTING ELEMENTS; COUPLING DEVICES; CURRENT COLLECTORS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	H01R 4/24	1	Connections using contact members penetrating or cutting insulation or cable strands	
C	H01R 4/2404	2	the contact members having teeth, prongs, pins or needles penetrating the insulation	H01R 4/2404, H01R 4/2406, H01R 4/2407
N	H01R 4/2406	3	having needles or pins	
N	H01R 4/2407	3	having saw-tooth projections	
C	H01R 4/2408	3	actuated by clamping screws	H01R 4/2406, H01R 4/2407, H01R 4/2408
C	H01R 4/2412	3	actuated by insulated cams or wedges	H01R 4/2406, H01R 4/2407, H01R 4/2412
M	H01R 4/2416	2	the contact members having insulation-cutting edges, e.g. of tuning fork type	
M	H01R 4/242	3	the contact members being plates having a single slot	
M	H01R 4/2425	4	Flat plates, e.g. multi-layered flat plates	
M	H01R 4/2429	5	mounted in an insulating base	
M	H01R 4/2433	6	one part of the base being movable to push the cable into the slot	
M	H01R 4/2437	4	Curved plates	
M	H01R 4/2441	5	tube-shaped	
M	H01R 4/2445	3	the contact members having additional means acting on the insulation or the wire, e.g. additional insulation penetrating means, strain relief means or wire cutting knives	
C	H01R 4/245	4	the additional means having two or more slotted flat portions	H01R 4/245, H01R 4/2452, H01R 4/2456
N	H01R 4/2452	5	in serial configuration, e.g. opposing folded slots	
C	H01R 4/2454	5	forming a U-shape with slotted branches	H01R 4/2454, H01R 4/2455
N	H01R 4/2455	6	forming a slotted bight	
N	H01R 4/2456	5	in parallel configuration	

CPC NOTICE OF CHANGES 482

DATE: JANUARY 1, 2018

PROJECT RP0496

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	H01R 4/2458	4	the contact members being in a slotted tubular configuration, e.g. slotted tube-end	
M	H01R 4/2462	4	the contact members being in a slotted bent configuration, e.g. slotted bight	
M	H01R 4/2466	4	the contact members having a channel-shaped part, the opposite sidewalls of which comprise insulation-cutting means	
M	H01R 4/247	2	the contact members penetrating the insulation being actuated by springs	
M	H01R 4/2475	2	the contact members penetrating the insulation being actuated by screws, nuts or bolts	
M	H01R 4/2479	3	penetrating the area under the screw head	
M	H01R 4/2483	3	penetrating the area under the screw tip	
M	H01R 4/2487	3	penetrating by means of the screw thread	
M	H01R 4/2491	2	the contact members penetrating the insulation being actuated by conductive cams or wedges	
M	H01R 4/2495	2	Insulation penetration combined with permanent deformation of the contact member, e.g. crimping	

*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).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. 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 except “D” which requires only a symbol.
- #“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>” 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”.

CPC NOTICE OF CHANGES 482

DATE: JANUARY 1, 2018

PROJECT RP0496

B. New, Modified or Deleted Warning notice(s)

SUBCLASS H01R – ELECTRICALLY-CONDUCTIVE CONNECTIONS; STRUCTURAL ASSOCIATIONS OF A PLURALITY OF MUTUALLY-INSULATED ELECTRICAL CONNECTING ELEMENTS; COUPLING DEVICES; CURRENT COLLECTORS

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	H01R 4/2404		Group H01R 4/2404 is impacted by reclassification into groups H01R 4/2406 and H01R 4/2407. Groups H01R 4/2404, H01R 4/2406 and H01R 4/2407 should be considered in order to perform a complete search.
N	H01R 4/2406		Group H01R 4/2406 is incomplete pending reclassification of documents from groups H01R 4/2404, H01R 4/2408 and H01R 4/2412. Groups H01R 4/2404, H01R 4/2406, H01R 4/2408 and H01R 4/2412 should be considered in order to perform a complete search.
N	H01R 4/2407		Group H01R 4/2407 is incomplete pending reclassification of documents from group H01R 4/2404, H01R 4/2408 and H01R 4/2412. Groups H01R 4/2404, H01R 4/2407, H01R 4/2408 and H01R 4/2412 should be considered in order to perform a complete search.
N	H01R 4/2408		Group H01R 4/2408 is impacted by reclassification into groups H01R 4/2406 and H01R 4/2407. Groups H01R 4/2406, H01R 4/2407 and H01R 4/2408 should be considered in order to perform a complete search.
N	H01R 4/2412		Group H01R 4/2412 is impacted by reclassification into groups H01R 4/2406 and H01R 4/2407. Groups H01R 4/2406, H01R 4/2407 and H01R 4/2412 should be considered in order to perform a complete search.
N	H01R 4/245		Group H01R 4/245 is impacted by reclassification into groups H01R 4/2452 and H01R 4/2456. Groups H01R 4/245, H01R 4/2452 and H01R 4/2456 should be considered in order to perform a complete search.
N	H01R 4/2452		Group H01R 4/2452 is incomplete pending reclassification of documents from group H01R 4/245. Groups H01R 4/245 and H01R 4/2452 should be considered in order to perform a complete search.
N	H01R 4/2454		Group H01R 4/2454 is impacted by reclassification into group H01R 4/2455. Groups H01R 4/2454 and H01R 4/2455 should be considered in order to perform a complete search.
N	H01R 4/2455		Group H01R 4/2455 is incomplete pending reclassification of documents from group H01R 4/2454. Groups H01R 4/2454 and H01R 4/2455 should be considered in order to perform a complete search.
N	H01R 4/2456		Group H01R 4/2456 is incomplete pending reclassification of documents from group H01R 4/245. Groups H01R 4/245 and H01R 4/2456 should be considered in order to perform a complete search.

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

CPC NOTICE OF CHANGES 482

DATE: JANUARY 1, 2018

PROJECT RP0496

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)

H01R4/24

References

Delete the entire **Limiting references** section.

Create new **Informative references** section:

Informative references

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

For multiphase cables	H01R 9/031
For coaxial cables	H01R 9/053
For flat cables	H01R 12/67

2. A. DEFINITIONS (modified)

H01R4/2404

References

Delete the entire **Limiting references** section.

Create new **Informative references** section:

Informative references

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

Penetration into a wire end in axial direction	H01R 4/5033
--	-----------------------------

2. A. DEFINITIONS (modified)

H01R4/2408

References

Delete the entire **Limiting references** section.

Create new **Informative references** section:

Informative references

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

Clamped connection using a screw

H01R 4/30

CPC NOTICE OF CHANGES 482

DATE: JANUARY 1, 2018

PROJECT RP0496

3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	H01R 4/2404	H01R 4/2404, H01R 4/2406, H01R 4/2407
C	H01R 4/2408	H01R 4/2406, H01R 4/2407, H01R 4/2408
C	H01R 4/2412	H01R 4/2406, H01R 4/2407, H01R 4/2412
C	H01R 4/245	H01R 4/245, H01R 4/2452, H01R 4/2456
C	H01R 4/2454	H01R 4/2454, H01R 4/2455

* 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”.

CPC NOTICE OF CHANGES 482

DATE: JANUARY 1, 2018

PROJECT RP0496

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H01R 4/2404	H01R 4/2404	UPDATE
H01R 4/2406	H01R 4/2406	NEW
H01R 4/2407	H01R 4/2407	NEW
H01R 4/2408	H01R 4/2408	UPDATE
H01R 4/2412	H01R 4/2412	UPDATE
H01R 4/2416	H01R 4/2416	UPDATE
H01R 4/242	H01R 4/242	UPDATE
H01R 4/2425	H01R 4/2425	UPDATE
H01R 4/2429	H01R 4/2429	UPDATE
H01R 4/2433	H01R 4/2433	UPDATE
H01R 4/2437	H01R 4/2437	UPDATE
H01R 4/2441	H01R 4/2441	UPDATE
H01R 4/2445	H01R 4/2445	UPDATE
H01R 4/245	H01R 4/245	UPDATE
H01R 4/2452	H01R 4/2452	NEW
H01R 4/2454	H01R 4/2454	UPDATE
H01R 4/2455	H01R 4/2455	NEW
H01R 4/2456	H01R 4/2456	NEW
H01R 4/2458	H01R 4/2458	UPDATE
H01R 4/2462	H01R 4/2462	UPDATE
H01R 4/2466	H01R 4/2466	UPDATE
H01R 4/247	H01R 4/247	UPDATE
H01R 4/2475	H01R 4/2475	UPDATE
H01R 4/2479	H01R 4/2479	UPDATE
H01R 4/2483	H01R 4/2483	UPDATE
H01R 4/2487	H01R 4/2487	UPDATE
H01R 4/2491	H01R 4/2491	UPDATE
H01R 4/2495	H01R 4/2495	UPDATE

*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:

CPC Form – v.5

CPC NOTICE OF CHANGES 482

DATE: JANUARY 1, 2018

PROJECT RP0496

- 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.