

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1371

DATE: JANUARY 1, 2023

PROJECT RP11915

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

<b><u>Action</u></b>	<b><u>Subclass</u></b>	<b><u>Group(s)</u></b>
<b>SCHEME:</b>		
Titles Changed:	H04L	1/1607, 1/18, 1/1803, 1/1806, 1/1809, 1/1812, 1/1822, 1/1825, 1/1829, 1/1867
<b>DEFINITIONS:</b>		
Definitions Modified:	H04L	1/16

**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 H04L - TRANSMISSION OF DIGITAL INFORMATION, e.g. TELEGRAPHIC COMMUNICATION (arrangements common to telegraphic and telephonic communication H04M)**

<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>
U	H04L1/16	2	in which the return channel carries supervisory signals, e.g. repetition request signals	
M	H04L1/1607	3	Details of the supervisory signal	
M	H04L1/18	3	Automatic repetition systems, e.g. Van Duuren systems	
M	H04L1/1803	4	Stop-and-wait protocols	
M	H04L1/1806	4	Go-back-N protocols	
M	H04L1/1809	4	Selective-repeat protocols	
M	H04L1/1812	4	Hybrid protocols; Hybrid automatic repeat request [HARQ]	
M	H04L1/1822	4	involving configuration of automatic repeat request [ARQ] with parallel processes	
M	H04L1/1825	4	Adaptation of specific ARQ protocol parameters according to transmission conditions	
M	H04L1/1829	4	Arrangements specially adapted for the receiver end	
M	H04L1/1867	4	Arrangements specially adapted for the transmitter end	

\*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.

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- “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 finalization 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.

## 2. A. DEFINITIONS (i.e. modified)

### H04L 1/16

#### References

Delete: The entire Limiting references table

Insert: The following new Informative references table.

#### Informative references

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

Status reports for improving the reliability of multicast or broadcast data in data switching networks	<a href="#">H04L 12/1863</a>
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4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H04L 1/1607	H04L 1/1607	UPDATE
H04L 1/1614	H04L 1/1607	UPDATE
H04L 1/1621	H04L 1/1607	UPDATE
H04L 1/1628	H04L 1/1607	UPDATE
H04L 1/1635	H04L 1/1607	UPDATE
H04L 1/1642	H04L 1/1607	UPDATE
H04L 1/165	H04L 1/1607	UPDATE
H04L 1/1657	H04L 1/1607	UPDATE
H04L 1/1664	H04L 1/1607	UPDATE
H04L 1/1671	H04L 1/1607	UPDATE
H04L 1/1678	H04L 1/1607	UPDATE
H04L 1/1685	H04L 1/1607	UPDATE
H04L 1/1692	H04L 1/1607	UPDATE
H04L 1/1803	H04L 1/1803	UPDATE
H04L 1/1806	H04L 1/1806	UPDATE
H04L 1/1809	H04L 1/1809	UPDATE
H04L 1/1812	H04L 1/1812	UPDATE
H04L 1/1816	H04L 1/1812	UPDATE
H04L 1/1819	H04L 1/1812	UPDATE
H04L 1/1822	H04L 1/1822	UPDATE
H04L 1/1825	H04L 1/1825	UPDATE
H04L 1/1829	H04L 1/1829	UPDATE
H04L 1/1832	H04L 1/1829	UPDATE
H04L 1/1835	H04L 1/1829	UPDATE
H04L 1/1838	H04L 1/1829	UPDATE
H04L 1/1841	H04L 1/1829	UPDATE
H04L 1/1845	H04L 1/1829	UPDATE
H04L 1/1848	H04L 1/1829	UPDATE
H04L 1/1851	H04L 1/1829	UPDATE
H04L 1/1854	H04L 1/1829	UPDATE
H04L 1/1858	H04L 1/1829	UPDATE
H04L 1/1861	H04L 1/1829	UPDATE
H04L 1/1864	H04L 1/1829	UPDATE
H04L 1/1867	H04L 1/1867	UPDATE
H04L 1/187	H04L 1/1867	UPDATE
H04L 1/1874	H04L 1/1867	UPDATE
H04L 1/1877	H04L 1/1867	UPDATE
H04L 1/188	H04L 1/1867	UPDATE
H04L 1/1883	H04L 1/1867	UPDATE
H04L 1/1887	H04L 1/1867	UPDATE
H04L 1/189	H04L 1/1867	UPDATE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H04L 1/1893	H04L 1/1867	UPDATE
H04L 1/1896	H04L 1/1867	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:

- 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.