EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 411

DATE: JANUARY 1, 2018

PROJECT RP0164

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

Action	Subclass	Group(s)
Symbols deleted:	H04W	28/042
	H04W	28/044
	H04W	28/046
	H04W	28/048
Title wording change:	H04W	28/04
Modified Definition:	H04W	28/04
Scheme Note to be added:	H04W	28/04

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 Notice(s)

          ☒   C. New, Modified or Deleted Note(s)

          ☐   D. New, Modified or Deleted Guidance Heading(s)

2.   DEFINITIONS (New or Modified)

          ☒   A. DEFINITIONS (Full definition template)

          ☐   B. DEFINITIONS (Definitions Quick Fix)

    3.   ☒   REVISION CONCORDANCE LIST (RCL)

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

5.   ☐   CROSS-REFERENCE LIST (CRL)

CLASSIFICATION SCHEME CHANGES

   A.   New, Modified or Deleted Group(s)

SUBCLASS H04W – WIRELESS COMMUNICATION NETWORKS

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#
E	H04W28/04	2	Error control	
D	H04W28/042	3	{Treating collisions}	<administrative transfer to H04W74/0841>
D	H04W28/044	4	{Collision avoidance}	<administrative transfer to H04W74/085>
D	H04W28/046	4	{Collision detection}	<administrative transfer to H04W74/0858>
D	H04W28/048	3	{Treating noise or interference (means associated with receiver for limiting or suppressing noise or interference induced by transmission H04B1/10; baseband systems or shaping networks in transmitter or receiver H04L25/03)}	<administrative transfer to H04W28/04>

*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 <u>subclasses</u>, 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} <u>are</u> 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 <u>must</u> 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".

B. New, Modified or Deleted Note(s)

SUBCLASS H04W – WIRELESS COMMUNICATION NETWORKS

Type*	Location	Old Note	New/Modified Note
N	H04W28/04		When classifying in this group, classification is also made in the appropriate groups under H04L1/00.

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

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

2. B. DEFINITIONS QUICK FIX

Symbol	**Location of change** (e.g., section title)	**Existing reference symbol or text**	**Action; New symbol; New text**
H04W28/04	Definition statement	Arrangements for preventing, detecting, or correcting errors in the information received in wireless networks, e.g. retransmission.	Arrangements for preventing, detecting, or correcting errors in the information received in wireless networks.
H04W28/04	References Limiting references	Arrangements for detecting or preventing errors in the information received H04L1/00	Delete the entire Limiting references section: References Limiting references Arrangements for detecting or preventing errors in the information received H04L1/00
H04W28/04			Insert the following new section: Relationships with other classification places Arrangements for detecting or preventing errors in the information received in general, i.e. including in wireless networks, is classified in H04L1/00.

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.

3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H04W28/042	<administrative transfer to H04W74/0841>
D	H04W28/044	<administrative transfer to H04W74/085>
D	H04W28/046	<administrative transfer to H04W74/0858>
D	H04w28/048	<administrative transfer to H04W28/04>

* 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, 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".

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

CPC	**IPC**	**Action***
H04W28/042		DELETE
H04W28/044		DELETE
H04W28/046		DELETE
H04W28/048		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.