EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1575

DATE: JANUARY 1, 2024

PROJECT RP12201

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

Action	Subclass	Group(s)
SCHEME:		
Symbols Deleted:	H04B	5/0006, 5/0012, 5/0018, 5/0025, 5/0031, 5/0037, 5/0043, 5/005, 5/0056, 5/0062, 5/0068, 5/0075, 5/0081, 5/0087, 5/0093, 5/02, 5/04, 5/06
Symbols New:	H04B	5/20, 5/22, 5/24, 5/26, 5/263, 5/266, 5/28, 5/40, 5/43, 5/45, 5/48, 5/70, 5/72, 5/73, 5/75, 5/77, 5/79
Titles Changed:	H04B	5/00
Warnings New:	H04B	5/00, 5/20, 5/40, 5/45, 5/70, 5/72
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	H04B	5/0031, 5/0037, 5/0056, 5/0062, 5/0075, 5/0081
Definitions Modified:	H04B	5/00

The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL): B60L 53/12, G06K, G08B 3/1016, H01F 38/00, H01Q, H01Q 13/20, H01Q 13/203, H04R 2420/07

This Notice of Changes includes the following:

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)

1. CLASSIFICATION SCHEME CHANGES

   A. New, Modified or Deleted Group(s)

SUBCLASS H04B - TRANSMISSION

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
C	H04B 5/00	0	Near-field transmission systems, e.g. inductive or capacitive transmission systems	H04B 5/00, H04B 5/40, H04B 5/43, H04B 5/45
D	H04B 5/0006	1	{using a receiver structurally associated with a loudspeaker or an earphone}	< administrative transfer to H04B 5/00 >
D	H04B 5/0012	1	{using capacitive coupling}	< administrative transfer to H04B 5/22 >
D	H04B 5/0018	1	{using leaky or radiating cables, e.g. leaky coaxial cables or power lines for inductive transmission (leaky cables per se H01Q 13/20; for railways B61L 3/22)}	< administrative transfer to H04B 5/28 >
D	H04B 5/0025	1	{Near field system adaptations}	< administrative transfer to H04B 5/70 >
D	H04B 5/0031	2	{for data transfer}	< administrative transfer to H04B 5/72 >
D	H04B 5/0037	2	{for power transfer}	< administrative transfer to H04B 5/79 >
D	H04B 5/0043	2	{for taking measurements, e.g. using sensor coils}	< administrative transfer to H04B 5/73 >
D	H04B 5/005	2	{for isolation purposes}	< administrative transfer to H04B 5/75 >
D	H04B 5/0056	1	{for use in interrogation, identification or read/write systems (record carriers G06K 7/00, G06K 19/00; for railways B61L 3/12)}	< administrative transfer to H04B 5/77 >
D	H04B 5/0062	2	{in RFID [Radio Frequency Identification] Systems}	< administrative transfer to H04B 5/77 >
D	H04B 5/0068	2	{in transponders}	< administrative transfer to H04B 5/45 >
D	H04B 5/0075	1	{using inductive coupling (transformers or inductances adapted for inductive coupling H01F 38/14)}	< administrative transfer to H04B 5/24 >
D	H04B 5/0081	2	{with antenna coils (loop aerials H01Q 7/00)}	< administrative transfer to H04B 5/26 >
D	H04B 5/0087	2	{with multiple coils at either side}	< administrative transfer to H04B 5/263 >
D	H04B 5/0093	2	{with one coil at each side, e.g. with primary and secondary coils}	< administrative transfer to H04B 5/266 >

DATE: JANUARY 1, 2024

PROJECT RP12201

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	H04B 5/02	1	using transceiver	< administrative transfer to H04B 5/48 >
D	H04B 5/04	1	Calling systems, e.g. paging system	< administrative transfer to H04B 5/00 >
D	H04B 5/06	1	using a portable transmitter associated with a microphone	< administrative transfer to H04B 5/00 >
N	H04B 5/20	1	characterised by the transmission technique; characterised by the transmission medium	
N	H04B 5/22	2	Capacitive coupling	
N	H04B 5/24	2	Inductive coupling	
N	H04B 5/26	3	using coils	
N	H04B 5/263	4	{Multiple coils at either side}	
N	H04B 5/266	4	{One coil at each side, e.g. with primary and secondary coils}	
N	H04B 5/28	2	using the near field of leaky cables, e.g. of leaky coaxial cables	
N	H04B 5/40	1	characterised by components specially adapted for near-field transmission	
N	H04B 5/43	2	Antennas	
N	H04B 5/45	2	Transponders	
N	H04B 5/48	2	Transceivers	
N	H04B 5/70	1	specially adapted for specific purposes	
Q	H04B 5/72	2	for local intra device communication	H04B 5/20, H04B 5/22, H04B 5/24, H04B 5/26, H04B 5/263, H04B 5/266, H04B 5/28, H04B 5/45, H04B 5/70, H04B 5/72
N	H04B 5/73	2	for taking measurements, e.g. using sensing coils	
N	H04B 5/75	2	for isolation purposes	
N	H04B 5/77	2	for interrogation	
N	H04B 5/79	2	for data transfer in combination with power transfer	

*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".
- 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.

B. New, Modified or Deleted Warning(s)

SUBCLASS H04B - TRANSMISSION

Type*	Location	Old Warning	New/Modified Warning
N	H04B 5/00		Group H04B 5/00 is impacted by reclassification into groups H04B 5/40, H04B 5/43 and H04B 5/45. All groups listed in this Warning should be considered in order to perform a complete search.
N	H04B 5/20		Groups H04B 5/20, H04B 5/22, H04B 5/24, H04B 5/26, H04B 5/263, H04B 5/266 and H04B 5/28 are incomplete pending reclassification of documents from group H04B 5/72. All groups listed in this Warning should be considered in order to perform a complete search.
N	H04B 5/40		Groups H04B 5/40 and H04B 5/43 are incomplete pending reclassification of documents from group H04B 5/00. Groups H04B 5/00, H04B 5/40 and H04B 5/43 should be considered in order to perform a complete search.
N	H04B 5/45		Group H04B 5/45 is incomplete pending reclassification of documents from groups H04B 5/00 and H04B 5/72. Groups H04B 5/00, H04B 5/72 and H04B 5/45 should be considered in order to perform a complete search.
N	H04B 5/70		Group H04B 5/70 is incomplete pending reclassification of documents from group H04B 5/72. Groups H04B 5/72 and H04B 5/70 should be considered in order to perform a complete search.
N	H04B 5/72		Group H04B 5/72 is impacted by reclassification into groups H04B 5/20, H04B 5/22, H04B 5/24, H04B 5/26, H04B 5/263, H04B 5/266, H04B 5/28, H04B 5/45 and H04B 5/70. 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)

H04B 5/00

References

Delete: The entire Limiting references section.

Replace: The existing Informative references table with the following updated table.

Informative references

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

Read/write systems for railways	B61L 3/12
Radiating cables for railways	B61L 3/22
Sensing electronic for record carriers	G06K 7/10336, G06K 7/10118
Card readers, RFID cards	G06K 19/0723, G06K 7/0008
RFID in payment systems	G07F 7/00, G06Q 20/00, G07G, G07F 11/00
Paging systems in general	G08B
Transmitting signals using magnetically coupled devices	G08C 17/04
Transmitting signals using capacity coupling	G08C 17/06
Transformers or inductances adapted for inductive coupling	H01Q 7/00
Leaky cables per se	H01Q 13/20

Replace: The existing Glossary of terms table with the following updated table.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

NFC	Near field communication

2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H04B 5/0031	Entire definition		Delete the entire Definition.
H04B 5/0037	Entire definition		Delete the entire Definition.
H04B 5/0056	Entire definition		Delete the entire Definition.
H04B 5/0062	Entire definition		Delete the entire Definition.
H04B 5/0075	Entire definition		Delete the entire Definition.
H04B 5/0081	Entire definition		Delete the entire Definition.

Notes:
Use this Definitions Quick Fix (DQF) table to:
- Delete an entire definition
- Delete an entire section
- Change a reference symbol
- Delete a reference symbol
- Delete text in a References section
- Correct one error in spelling, article use, or verb tense

Otherwise, use the standard template.

Reminder: Never delete F symbol definitions.

3.   REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	H04B 5/00	H04B 5/00, H04B 5/40, H04B 5/43, H04B 5/45
D	H04B 5/0006	< administrative transfer to H04B 5/00 >
D	H04B 5/0012	< administrative transfer to H04B 5/22 >
D	H04B 5/0018	< administrative transfer to H04B 5/28 >
D	H04B 5/0025	< administrative transfer to H04B 5/70 >
D	H04B 5/0031	< administrative transfer to H04B 5/72 >
D	H04B 5/0037	< administrative transfer to H04B 5/79 >
D	H04B 5/0043	< administrative transfer to H04B 5/73 >
D	H04B 5/005	< administrative transfer to H04B 5/75 >
D	H04B 5/0056	< administrative transfer to H04B 5/77 >
D	H04B 5/0062	< administrative transfer to H04B 5/77 >
D	H04B 5/0068	< administrative transfer to H04B 5/45 >
D	H04B 5/0075	< administrative transfer to H04B 5/24 >
D	H04B 5/0081	< administrative transfer to H04B 5/26 >
D	H04B 5/0087	< administrative transfer to H04B 5/263 >
D	H04B 5/0093	< administrative transfer to H04B 5/266 >
D	H04B 5/02	< administrative transfer to H04B 5/48 >
D	H04B 5/04	< administrative transfer to H04B 5/00 >
D	H04B 5/06	< administrative transfer to H04B 5/00 >
Q	H04B 5/72	H04B 5/20, H04B 5/22, H04B 5/24, H04B 5/26, H04B 5/263, H04B 5/266, H04B 5/28, H04B 5/45, H04B 5/70, H04B 5/72

* 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; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:
- <u>Only</u> C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the "To" column, do not use ranges of symbols.
- 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 ("To") symbol, however it is required to specify "<no transfer>" in the "To" column for such cases.
- RCL is not needed for finalisation projects.

DATE: JANUARY 1, 2024

PROJECT RP12201

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

CPC	IPC	Action*
H04B 5/0006		DELETE
H04B 5/0012		DELETE
H04B 5/0018		DELETE
H04B 5/0025		DELETE
H04B 5/0031		DELETE
H04B 5/0037		DELETE
H04B 5/0043		DELETE
H04B 5/005		DELETE
H04B 5/0056		DELETE
H04B 5/0062		DELETE
H04B 5/0068		DELETE
H04B 5/0075		DELETE
H04B 5/0081		DELETE
H04B 5/0087		DELETE
H04B 5/0093		DELETE
H04B 5/02		DELETE
H04B 5/04		DELETE
H04B 5/06		DELETE
H04B 5/20	H04B 5/20	NEW
H04B 5/22	H04B 5/22	NEW
H04B 5/24	H04B 5/24	NEW
H04B 5/26	H04B 5/26	NEW
H04B 5/263	H04B 5/26	NEW
H04B 5/266	H04B 5/26	NEW
H04B 5/28	H04B 5/28	NEW
H04B 5/40	H04B 5/40	NEW
H04B 5/43	H04B 5/43	NEW
H04B 5/45	H04B 5/45	NEW
H04B 5/48	H04B 5/48	NEW
H04B 5/70	H04B 5/70	NEW
H04B 5/72	H04B 5/72	NEW
H04B 5/73	H04B 5/73	NEW
H04B 5/75	H04B 5/75	NEW
H04B 5/77	H04B 5/77	NEW
H04B 5/79	H04B 5/79	NEW

*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".

PROJECT RP12201

- 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 <u>not</u> 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.

5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

Location of reference to be changed	Referenced subclass or group to be changed	Action; New reference symbol; New text
G08B 3/1016	H04B 5/04	H04B 5/00

Definitions references impacted by this revision project

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
B60L 53/12	H04B 5/0037	Informative references	Replace with the following new text and reference. Near-field transmission systems for data transfer in combination with power transfer H04B 5/79
G06K	H04B 5/02	Informative references	H04B 5/48
H01F 38/00	H04B 5/0075	Informative references	H04B 5/24
H01Q	H04B 5/0018	Application-oriented references	Replace with the following new text and reference. Near-field transmission systems using the near field of leaky cables H04B 5/28
H01Q 13/20	H04B 5/0018	Informative references	Replace with the following new text and reference. Near-field transmission systems using the near field of leaky cables H04B 5/28

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
H01Q 13/203	H04B 5/0018	Informative references	Replace with the following new text and reference. Near-field transmission systems using the near field of leaky cables H04B 5/28
H04R 2420/07	H04B 5/0006	Informative references	Replace with the following new text and reference. Near-field transmission systems H04B 5/00
H04R 2420/07	H04B 5/06	Informative references	Delete the entire reference.

NOTES:
- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions inside the project scope will be reflected in the "scheme change" template or one of the "definition" templates.
- In addition to other changes proposed in the tables above, in the column titled "Referenced subclass or group to be changed," **referenced** D symbols should indicate an action of "delete" or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.