

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1640

DATE: AUGUST 1, 2024

PROJECT DP12342

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>DEFINITIONS:</b>		
Definitions New:	H04B	5/43, 5/79
Definitions Modified:	H04B	5/00

**No other subclasses/groups are impacted by this Notice of Changes.**

**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)

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## 2. A. DEFINITIONS (new)

### H04B 5/43

#### Definition statement

*This place covers:*

Antennas specially adapted for near-field transmission.

#### Relationships with other classification places

Group [H01Q 7/00](#) covers loop antennas in general. Group [G06K 19/077](#) covers instead details of antennas specially adapted for record carriers.

#### References

##### *Informative references*

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

Loop antennas	<a href="#">H01Q 7/00</a>
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### H04B 5/79

#### References

##### *Informative references*

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

Circuit arrangements or systems for wireless supply or distribution of electric power	<a href="#">H02J 50/00</a>
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## 2. A. DEFINITIONS (modified)

### H04B5/00

#### Definition statement

Replace: The entire Definition statement text with the following:

Short-range transmission systems and their components, e.g. wherein the signal transmission is inductive or capacitive, e.g. by inductive loops. This group also covers leaky coaxial [LCX] transmission systems.

#### References:

#### Informative references:

Replace: The Informative references table with the following revised table:

Read/write systems for railways	<a href="#">B61L 3/12</a>
Radiating cables for railways	<a href="#">B61L 3/22</a>
Methods or arrangements for sensing record carriers related to the reading of electronic memory record carriers, independent of its reading method, e.g. power transfer	<a href="#">G06K 7/0008</a>
Methods or arrangements for sensing record carriers by electromagnetic radiation using wavelengths larger than 0.1 mm, the sensing being preceded by at least one preliminary step	<a href="#">G06K 7/10118</a>
Methods or arrangements for sensing record carriers by electromagnetic radiation using wavelengths larger than 0.1 mm using at least one antenna particularly designed for interrogating the wireless record carriers and the antenna being of the near field type, inductive coil	<a href="#">G06K 7/10336</a>

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Record carriers with conductive marks, printed circuits or semiconductor circuit elements, with integrated circuit chips the record carrier comprising an arrangement for non-contact communication, e.g. wireless communication circuits on transponder cards, non-contact smart cards or RFIDs	G06K 19/0723
Record carriers being capable of non-contact communication, e.g. constructional details of the antenna of a non-contact smart card	G06K 19/07749
Antenna details	G06K 19/07773
Short range or proximity payments by means of M-devices	G06Q 20/327
Card reader reading the card in a contactless manner for freeing or actuating vending, hiring, coin or paper currency dispensing or refunding apparatus	G07F 7/0893
Cash registers with a code reader for reading of an identifying code of the article to be registered, e.g. barcode reader or radio-frequency identity [RFID] reader	G07G 1/0045
Paging systems in general	G08B
Transmitting signals using magnetically coupled devices	G08C 17/04
Transmitting signals using capacity coupling	G08C 17/06
Non-resonant leaky-waveguide or transmission-line antennas; Equivalent structures causing radiation along the transmission path of a guided wave	H01Q 13/20

**Glossary of terms**

Insert: The following new row into the Glossary of terms table and make the “N” in “Near field communication” lowercase, to appear as follows.

LCX	leaky coaxial
NFC	near field communication