

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1162

DATE: AUGUST 1, 2021

PROJECT MP0475

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Titles Changed:	H04Q	Subclass
	H04Q	1/00, 1/028, 1/06, 1/116, 1/30
	H04Q	3/0025, 3/005, 3/542, 3/54508
DEFINITIONS:		
Definitions New:	H04Q	1/028, 1/06, 1/116
	H04Q	3/0025, 3/005, 3/542
Definitions Modified:	H04Q	Subclass
	H04Q	1/00, 1/28, 1/30, 1/54, 1/56, 3/00, 3/526, 5/00, 9/00, 11/00, 11/0001

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

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 H04Q - SELECTING (switches, relays, selectors H01H; electronic switches H03K 17/00)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	H04Q	Subclass	SELECTING (switches, relays, selectors H01H; wireless communication networks H04W)	
M	H04Q 1/00	0	Details of selecting apparatus or arrangements	
M	H04Q 1/028	2	{Subscriber network interface devices}	
M	H04Q 1/06	2	Cable ducts or mountings specially adapted for exchange installations	
M	H04Q 1/116	3	{lightning or EMI protection, e.g. shielding or grounding}	
M	H04Q 1/30	2	Signalling arrangements; Manipulation of signalling currents (multiplex systems providing for calling or supervisory signals H04J 1/14, H04J 3/12)	
M	H04Q 3/0025	2	{Provisions for signalling}	
M	H04Q 3/005	3	{Personal communication services, e.g. provisions for portability of subscriber numbers}	
M	H04Q3/542	3	{Logic circuits or arrangements therefor}	
M	H04Q3/54508	4	{Configuration, initialisation}	

*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.

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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.

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2. A. DEFINITIONS (new)

Insert: The following new Definitions.

H04Q 1/028

References

Informative references

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

Lines interfacing in the subscriber set	H04M 1/0293
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H04Q 1/06

References

Informative references

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

Installation of electric cables or lines, or of combined optical and electric cables or lines	H02G
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H04Q 1/116

References

Informative references

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

Suppression of noise or interference in transmission systems	H04B 15/00
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H04Q 3/0025

References

Informative references

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

Circuitry specially adapted for provisions for signalling	H04Q 1/30
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H04Q 3/005

References

Informative references

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

Subscriber services provided at exchanges	H04M 3/42
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H04Q 3/542

References

Informative references

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

Logic circuits in general	H03K 19/00
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2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
H04Q	Limiting references	Electric switches; Relays; Selectors H01H Multiplex communication H04J Wireless communication networks H04W	<u>Delete</u> : The following Limiting references table row: Multiplex communication H04J
H04Q	Informative references	Cables; Conductors H01B Installation of communication cables or lines H02G Electronic switches H03K17/00 Transmission in general H04B Broadcast communication H04H Transmission of digital information H04L Telephonic communication H04M	<u>Insert</u> : The following new Informative references table row: Multiplex communication H04J
H04Q 1/00	Limiting references		<u>Delete</u> : The entire Limiting references section.

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
H04Q 1/00	Informative references	<p>Special locks for drawers E05B 65/46</p> <p>Distribution frames-cassettes G02B 6/4452</p> <p>Distribution frames char. by the way of extraction or insertion of the cassette: pivoting, sliding, rotating G02B 6/4455</p> <p>Enclosures G06F 1/181</p> <p>Method or arrangements for sensing record carriers G06K 7/00</p> <p>Record carriers for use with machines and with at least a part designed to carry digital markings G06K 19/0723</p> <p>Means for guiding or retaining wires or cables connected to terminal blocks H01R 9/2416</p> <p>Terminal blocks providing connection to wires or cables H01R 12/00</p> <p>Details of coupling devices H01R 13/00</p> <p>Frameworks, boards, panels, desks, casings H02B 1/00</p>	<p><u>Replace:</u> The existing Informative references table with the following new table:</p> <p>Details of selector switches H01H 63/00</p> <p>Cables; Conductors H01B</p> <p>Installation of communication cables or lines H02G</p> <p>Multiplex systems providing for calling or supervisory signals H04J 1/00, H04J 3/12</p> <p>Telephone substation equipment H04M 1/00</p> <p>Current supply arrangements for telephone systems H04M 19/00</p>

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
H04Q 1/00	Glossary of terms		<u>Delete</u> : The entire Glossary of terms section.
H04Q 1/00	Synonyms and Keywords	<p>IDC means two-dimensional</p> <p>MDF main distribution frame</p> <p>RFID radio frequency identification</p> <p>DSLAM digital subscriber line access multiplexer</p> <p>FTT+ fiber to the +</p> <p>MDU main distribution unit</p> <p>FDT fiber drop terminal</p>	<p><u>Delete</u>: The following <u>six</u> rows from the Synonyms and Keywords table:</p> <p>IDC means two-dimensional</p> <p>RFID radio frequency identification</p> <p>DSLAM digital subscriber line access multiplexer</p> <p>FTT+ fiber to the +</p> <p>MDU main distribution unit</p> <p>FDT fiber drop terminal</p>
H04Q 1/28	Limiting references		<u>Delete</u> : The entire Limiting references section.

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
H04Q 1/28	Informative references	<p>Power supply means for computers G06F 1/26</p> <p>Systems for transmission via power distribution lines H04B 3/54</p> <p>Subscriber line interface circuits (SLIC) H04M 3/005</p> <p>Over voltage protection in line interface circuits H04M 3/18</p> <p>Subscriber line supervision circuits e.g. off hook detection H04M 3/2272</p>	<p><u>Insert</u>: The following <u>three</u> new rows into the Informative references table.</p> <p>Current supply arrangements over Ethernet H04L 12/10</p> <p>Generation of signalling current at the telephone sub station H04M 1/505</p> <p>Current supply arrangements for telephone systems H04M 19/00</p>
H04Q 1/30	Limiting references	<p>Current supply arrangements over Ethernet H04L 12/10</p> <p>Telephone substation equipment H04M 1/00</p> <p>Generation of signalling current at the telephone sub station H04M 1/505</p> <p>Current supply arrangements for telephone systems H04M 19/00</p>	<p><u>Replace</u>: The existing Limiting references table with the following new table.</p> <p>Multiplex systems to multiplex communication systems H04J 1/14</p> <p>For line selectors providing transfer of routing digits H04Q 3/12</p>
H04Q 1/30	Informative references	<p>Power supply means for computers G06F 1/26</p>	<p><u>Insert</u>: The following <u>four</u> new Informative reference table rows.</p>

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
		<p>Systems for transmission via power distribution lines H04B 3/54</p> <p>Subscriber line interface circuits (SLIC) H04M 3/005</p> <p>Over voltage protection in line interface circuits H04M 3/18</p> <p>Subscriber line supervision circuits e.g. off hook detection H04M 3/2272</p>	<p>Current supply arrangements over Ethernet H04L 12/10</p> <p>Telephone substation equipment H04M 1/00</p> <p>Generation of signalling current at the telephone substation H04M 1/505</p> <p>Current supply arrangements for telephone systems H04M 19/00</p>
H04Q 1/54	Limiting references		<u>Delete</u> : The entire Limiting references section.
H04Q 1/54	Informative references	<p>Power supply means for computers G06F 1/26</p> <p>Systems for transmission via power distribution lines H04B 3/54</p> <p>Subscriber line interface circuits (SLIC) H04M 3/005</p> <p>Over voltage protection in line interface circuits H04M 3/18</p>	<p><u>Insert</u>: The following <u>three</u> new Informative reference table rows.</p> <p>Current supply arrangements over Ethernet H04L 12/10</p> <p>Generation of signaling current at the telephone substation H04M 1/505</p>

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
		Subscriber line supervision circuits e.g. off hook detection H04M 3/2272	Current supply arrangements for telephone systems H04M 19/00
H04Q 1/56	Limiting references		<u>Delete</u> : The entire Limiting references section.
H04Q 1/56	Informative references	Power supply means for computers G06F 1/26 Systems for transmission via power distribution lines H04B 3/54 Subscriber line interface circuits (SLIC) H04M 3/005 Over voltage protection in line interface circuits H04M 3/18 Subscriber line supervision circuits e.g. off hook detection H04M 3/2272	<u>Delete</u> : The following <u>two</u> Informative reference table rows. Subscriber line interface circuits (SLIC) H04M 3/005 Over voltage protection in line interface circuits H04M 3/18
H04Q 1/56	Informative references		<u>Insert</u> : The following <u>three</u> new rows into the Informative references table. Current supply arrangements over Ethernet H04L 12/10

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
			<p>Generation of signalling current at the telephone substation H04M 1/505</p> <p>Current supply arrangements for telephone systems H04M 19/00</p>
H04Q 3/00	Relationships with other classification places		<u>Delete</u> : The entire Relationships with other classifications places section.
H04Q 3/00	Limiting references	<p>Selecting arrangements wherein two or more subscriber stations are connected by the same line to the exchange H04Q 5/00</p> <p>Arrangements in telecontrol or telemetry systems for selectively calling a substation from a main station, in which substation desired apparatus is selected for applying a control signal thereto or for obtaining measured values therefrom H04Q 9/00</p> <p>Selecting arrangements for multiplex systems H04Q 11/00</p> <p>Multiplex communication H04J</p>	<p><u>Delete</u>: The following <u>two</u> Limiting reference table rows.</p> <p>Multiplex communication H04J</p> <p>Wireless communications networks H04W</p>

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
		Wireless communications networks H04W	
H04Q 3/00	Informative references		<p><u>Insert:</u> The following new Informative references section.</p> <p>Informative references</p> <p><i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>Intermediate storage means for telegraphic communication H04L 13/08</p> <p>Subscriber services provided at exchanges H04M 3/42</p> <p>Signalling arrangements H04Q 1/30</p> <p>Multiplex communication H04J</p> <p>Wireless communications networks H04W</p>

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
H04Q 3/00	Special rules of classification		<u>Delete</u> : The entire Special rules of classification section.
H04Q 3/00	Synonyms and Keywords		<p><u>Insert</u>: The following new Synonyms and Keywords section.</p> <p>Synonyms and Keywords</p> <p><i>In patent documents, the following abbreviations are often used:</i></p> <p>BCSM Basic call state model</p> <p>SIBBS Service-independent building blocks</p> <p>PBX Private branch exchange</p>
H04Q 3/526	Limiting references		<u>Delete</u> : The entire Limiting references section.
H04Q 3/526	Informative references	Optical cross connects, their architectures, operation, maintenance and control, as well as their optical buffering and optical signal processing means. H04Q 11/0005	<p><u>Insert</u>: The following <u>three</u> new Informative reference table rows.</p> <p>Optical coupling means having switching means G02B 6/28</p>

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
			<p>Physical details of controlling the light using movable or deformable optical means G02B 26/00</p> <p>Physical details of light controlling devices G02F 1/00</p>
H04Q 5/00	Informative references		<p><u>Insert</u>: The following new Informative references section.</p> <p><i>Informative references</i></p> <p><i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>For establishing connections among stations for the purpose of transferring information via these connections H04Q 1/00</p>
H04Q 5/00	Glossary of terms		<p><u>Delete</u>: The entire Glossary of terms section.</p>
H04Q 9/00	Limiting references		<p><u>Delete</u>: The entire Limiting references section.</p>

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
H04Q 9/00	Informative references	<p>Detecting, measuring or recording for diagnostic purposes A61B 5/00</p> <p>Devices for measuring, signalling, controlling, or distributing tyre pressure or temperature - transmitting signals from a wheel unit to a vehicle mounted receiver B60C 23/0408</p> <p>Electric circuits specially adapted for vehicles, not otherwise provided for B60R 16/02</p> <p>Applications of remote control devices for cranes B66C 13/40</p> <p>Electric permutation locks E05B 49/00</p> <p>Electric programme-control systems G05B 19/02</p> <p>Input and output arrangements for digital data processing G06F 3/00</p> <p>Registering or indicating the working of vehicles communicating information to a remotely located station G07C 5/008</p> <p>Individual entry or exit registers G07C 9/00</p>	<p><u>Delete:</u> The following <u>eight</u> Informative reference table rows.</p> <p>Detecting, measuring or recording for diagnostic purposes A61B 5/00</p> <p>Devices for measuring, signalling, controlling, or distributing tyre pressure or temperature - transmitting signals from a wheel unit to a vehicle mounted receiver B60C 23/0408</p> <p>Electric circuits specially adapted for vehicles, not otherwise provided for B60R 16/02</p> <p>Registering or indicating the working of vehicles communicating information to a remotely located station G07C 5/008</p> <p>Home automation networks H04L 12/2803</p>

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
		<p>Home automation networks H04L 12/2803</p> <p>Transmission control procedure – sensor networks H04L 29/08558</p> <p>Telephonic communication systems adapted for combination with other electrical systems H04M 11/00</p> <p>Power saving arrangements H04W 52/02</p> <p>Network topologies - Sensor networks H04W 84/18</p>	<p>Transmission control procedure - sensor networks H04L 29/08558</p> <p>Power saving arrangements H04W 52/02</p> <p>Network topologies – Sensor networks H04W 84/18</p>
H04Q 9/00	Informative references		<p>Insert: The following <u>seven</u> new Informative reference table rows.</p> <p>Transmission systems for measured values, control signal G08C</p> <p>Toy vehicles A63H 17/00</p> <p>Electric circuits specially adapted for vehicles B60R 16/02</p> <p>Circuit arrangements for providing remote control of switching</p>

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
			<p>means in a power distribution network H02J 13/00</p> <p>Remote-control of tuned circuits H03J 9/00</p> <p>Data switching networks H04L 12/00</p> <p>Receiver circuitry of television systems H04N 5/44</p>
H04Q 9/00	Glossary of terms		<u>Delete</u> : The entire Glossary of terms section.
H04Q 11/00	Relationships with other classification places		<u>Delete</u> : The entire Relationships with other classification places section.
H04Q 11/00	Limiting references	<p>Multiplex communication H04J</p> <p>Wireless communications networks H04W</p>	<p><u>Replace</u>: The existing Limiting references table with the following new table.</p> <p>Multiplex systems H04J</p>

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H04Q 11/00	Informative references		<p><u>Insert</u>: The following new Informative references section.</p> <p>Informative references</p> <p><i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>Wireless communications networks H04W</p>
H04Q 11/00	Special rules of classification		<p><u>Delete</u>: The entire Special rules of classification section.</p>
H04Q 11/00	Synonyms and Keywords		<p><u>Delete</u>: The entire Synonyms and Keywords section.</p>
H04Q 11/0001	Limiting references		<p><u>Delete</u>: The entire Limiting references section.</p>

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H04Q 11/0001	Informative references		<p><u>Insert</u>: The following new Informative references section.</p> <p>Informative references</p> <p><i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>Optical coupling means having switching means G02B 6/28</p> <p>Physical details of controlling the light using movable or deformable optical means G02B 26/00</p> <p>Physical details of light controlling devices G02F 1/00</p> <p>Transmission and reception of optical signals per se H04B 10/00</p> <p>SONET/SDH networks H04J 3/00, H04J 14/02</p> <p>Non reconfigurable add-and-drop multiplexing H04J 14/04</p> <p>Fibre channel networks switches H04L 49/357</p>
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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.