| н | Sektion | SECTION H — ELECTRICITY |
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| H04 | Klasse | ELECTRIC COMMUNICATION TECHNIQUE |
| H04Q | Unterklasse | SELECTING (switches, relays, selectors H01H; electronic switches H03K 17/00) |
| H04Q 1/00 | Hauptgruppe | Details of selecting apparatus or arrangements (details of selector switches H01H 63/00) |
| H04Q 1/02 | 1-Punkt Untergruppe | . Constructional details |
| H04Q 1/04 | 2-Punkt Untergruppe | Frames or mounting racks for selector switches; Accessories therefor, e.g. frame cover |
| H04Q 1/06 | 2-Punkt Untergruppe | Cable ducts or mountings specially adapted for exchange installations (in general H02G) |
| H04Q 1/08 | 2-Punkt Untergruppe | Frames or mounting racks for relays; Accessories therefor |
| H04Q 1/10 | 2-Punkt Untergruppe | Exchange station construction |
| H04Q 1/12 | 2-Punkt Untergruppe | Arrangements of multiple bars with or without pivotable frames |
| H04Q 1/14 | 2-Punkt Untergruppe | Distribution frames |
| H04Q 1/16 | 2-Punkt Untergruppe | Wiring arrangements for selector switches or relays in frames |
| H04Q 1/18 | 1-Punkt Untergruppe | . Electrical details |
| H04Q 1/20 | 2-Punkt Untergruppe | Testing circuits or apparatus; Circuits or apparatus for detecting, indicating, or signalling faults or troubles |
| H04Q 1/22 | 3-Punkt Untergruppe | Automatic arrangements |
| H04Q 1/24 | 4-Punkt Untergruppe | for connection devices |
| H04Q 1/26 | 4-Punkt Untergruppe | for signalling trouble in unoccupied sub-exchanges |
| H04Q 1/28 | 2-Punkt Untergruppe | Current-supply circuits or arrangements for selection equipment at exchanges |
| H04Q 1/30 | 2-Punkt Untergruppe | Signalling arrangements; Manipulation of signalling currents (multiplex systems providing for calling or supervisory signals H04J 1/14, H04J 3/12; telephone substation equipment H04M 1/00) |
| H04Q 1/32 | 3-Punkt Untergruppe | using trains of dc pulses (H04Q 1/39 takes precedence) [3] |
| H04Q 1/34 | 4-Punkt Untergruppe | Impulse regenerators with mechanical or other non-electrical marking arrangements |
| H04Q 1/36 | 4-Punkt Untergruppe | Pulse-correcting arrangements, e.g. for reducing effects due to interference |
| H04Q 1/38 | 3-Punkt Untergruppe | using combinations of direct currents of different amplitudes or polarities over line conductors or combination of line conductors |
| H04Q 1/39 | 3-Punkt Untergruppe | using coded pulse groups [3] |
| H04Q 1/40 | 3-Punkt Untergruppe | whereby duration of pulse or interval between two pulses is variable |
| H04Q 1/42 | 4-Punkt Untergruppe | involving the position of a pulse in a cycle |
| H04Q 1/44 | 3-Punkt Untergruppe | using ac (H04Q 1/50 takes precedence) [3] |
| H04Q 1/442 | 4-Punkt Untergruppe | with out-of-voice band signalling frequencies [3] |
| H04Q 1/444 | 4-Punkt Untergruppe | with voice-band signalling frequencies [3] |
| H04Q 1/446 | 5-Punkt Untergruppe | using one signalling frequency (H04Q 1/46 takes precedence) [3] |
| H04Q 1/448 | 6-Punkt Untergruppe | with conversion of a single frequency signal into a digital signal [3] |

| Symbol | Тур | Titel |
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| H04Q 1/45 | 5-Punkt Untergruppe | using multi-frequency signalling (H04Q 1/46 takes precedence) [3] |
| H04Q 1/453 | 6-Punkt Untergruppe | in which m-out-of-n signalling frequencies are transmitted [3] |
| H04Q 1/457 | 6-Punkt Untergruppe | with conversion of multi-frequency signals into digital signals [3] |
| H04Q 1/46 | 5-Punkt Untergruppe | comprising means for distinguishing between a signalling current of predetermined frequency and a complex current containing that frequency, e.g. speech current [3] |
| H04Q 1/48 | 3-Punkt Untergruppe | Induced-current signalling arrangements |
| H04Q 1/50 | 3-Punkt Untergruppe | Conversion between different kinds of signals |
| H04Q 1/54 | 2-Punkt Untergruppe | Amplifier switched-on automatically in dependence on automatically selected lines |
| H04Q 1/56 | 2-Punkt Untergruppe | Balancing circuitry switched-on automatically in dependence on automatically selected lines |
| H04Q 3/00 | Hauptgruppe | Selecting arrangements (H04Q 5/00-H04Q 11/00 take precedence) |
| H04Q 3/02 | 1-Punkt Untergruppe | . Circuit arrangements for selectors responsive to a permutation code |
| H04Q 3/04 | 1-Punkt Untergruppe | . Circuit arrangements for receivers of routing digits |
| H04Q 3/06 | 2-Punkt Untergruppe | for group or trunk group selectors |
| H04Q 3/08 | 2-Punkt Untergruppe | for local or long-distance selectors |
| H04Q 3/10 | 2-Punkt Untergruppe | for PBX selectors, i.e. private branch exchange selectors |
| H04Q 3/12 | 2-Punkt Untergruppe | for line selectors providing transfer of routing digits |
| H04Q 3/14 | 2-Punkt Untergruppe | for two-way operation selectors |
| H04Q 3/16 | 2-Punkt Untergruppe | for marking-switches |
| H04Q 3/18 | 1-Punkt Untergruppe | . Circuit arrangements for first stage of hunting switching |
| H04Q 3/20 | 2-Punkt Untergruppe | for preselectors |
| H04Q 3/22 | 3-Punkt Untergruppe | comprising common calling and disconnecting circuit |
| H04Q 3/24 | 2-Punkt Untergruppe | for line finders |
| H04Q 3/26 | 3-Punkt Untergruppe | comprising common calling and disconnecting circuit |
| H04Q 3/28 | 3-Punkt Untergruppe | comprising main groups and subgroups |
| H04Q 3/30 | 2-Punkt Untergruppe | Selector finders, i.e. allotters |
| H04Q 3/32 | 1-Punkt Untergruppe | . Circuit arrangements for second or subsequent stages of hunting switching [2] |
| H04Q 3/34 | 2-Punkt Untergruppe | for the second preselection stage |
| H04Q 3/36 | 2-Punkt Untergruppe | for the second line-finder stage |
| H04Q 3/38 | 2-Punkt Untergruppe | for stages after the group-selector stage |
| H04Q 3/40 | 2-Punkt Untergruppe | for stages after the line selector, e.g. for extension selector |
| H04Q 3/42 | 1-Punkt Untergruppe | . Circuit arrangements for indirect selecting controlled by common circuits, e.g. register controller, marker |
| H04Q 3/44 | 2-Punkt Untergruppe | using revertive control |
| H04Q 3/46 | 2-Punkt Untergruppe | using signals other than revertive impulses |

| Symbol | Тур | Titel |
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| H04Q 3/47 | 2-Punkt Untergruppe | using translators |
| H04Q 3/48 | 2-Punkt Untergruppe | using markers |
| H04Q 3/49 | 3-Punkt Untergruppe | for end-to-end marking |
| H04Q 3/495 | 3-Punkt Untergruppe | for routing connecting paths |
| H04Q 3/52 | 2-Punkt Untergruppe | using static devices in switching stages, e.g. electronic switching arrangements [2] |
| H04Q 3/54 | 2-Punkt Untergruppe | in which the logic circuitry controlling the exchange is centralised |
| H04Q 3/545 | 3-Punkt Untergruppe | using a stored programme [4] |
| H04Q 3/55 | 3-Punkt Untergruppe | using wired logic circuitry [4] |
| H04Q 3/555 | 4-Punkt Untergruppe | being comprised by electro-magnetic devices [4] |
| H04Q 3/56 | 2-Punkt Untergruppe | in which the control signals are multiplexed [2] |
| H04Q 3/58 | 1-Punkt Untergruppe | . Arrangements providing connection between main exchange and sub-exchange or satellite |
| H04Q 3/60 | 2-Punkt Untergruppe | for connecting to satellites or concentrators which connect one or more exchange lines with a group of local lines |
| H04Q 3/62 | 2-Punkt Untergruppe | for connecting to private branch exchanges |
| H04Q 3/64 | 1-Punkt Untergruppe | . Distributing or queuing |
| H04Q 3/66 | 2-Punkt Untergruppe | Traffic distributors |
| H04Q 3/68 | 2-Punkt Untergruppe | Grouping or interlacing selector groups or stages |
| H04Q 3/70 | 1-Punkt Untergruppe | . Identification of class of calling subscriber |
| H04Q 3/72 | 1-Punkt Untergruppe | . Finding out and indicating number of calling subscriber |
| H04Q 3/74 | 2-Punkt Untergruppe | Identification of subscriber calling from a party-line |
| H04Q 3/76 | 1-Punkt Untergruppe | . Translation from the called subscriber's number to the outgoing or incoming control information [4] |
| H04Q 3/78 | 1-Punkt Untergruppe | . Temporary storage of information of calling or called subscriber (intermediate storage means for telegraphic communication H04L 13/08) [4] |
| H04Q 5/00 | Hauptgruppe | Selecting arrangements wherein two or more subscriber stations are connected by the same line to the exchange |
| H04Q 5/02 | 1-Punkt Untergruppe | . with direct connection for all subscribers, i.e. party-line system (H04Q 5/24 takes precedence) |
| H04Q 5/04 | 2-Punkt Untergruppe | Signalling by currents in one or other or both line wires or additional wires |
| H04Q 5/06 | 2-Punkt Untergruppe | Signalling by amplitude or polarity of dc |
| H04Q 5/08 | 2-Punkt Untergruppe | Signalling by continuous ac |
| H04Q 5/10 | 3-Punkt Untergruppe | using single frequencies for different subscribers |
| H04Q 5/12 | 3-Punkt Untergruppe | using combinations of frequencies |
| H04Q 5/14 | 2-Punkt Untergruppe | Signalling by pulses |
| H04Q 5/16 | 3-Punkt Untergruppe | by predetermined number of pulses |
| H04Q 5/18 | 1-Punkt Untergruppe | . with indirect connection, i.e. through subordinate switching centre |

| Symbol | Тур | Titel |
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| H04Q 5/20 | 2-Punkt Untergruppe | the subordinate centre permitting interconnection of subscribers connected thereto |
| H04Q 5/22 | 2-Punkt Untergruppe | the subordinate centre not permitting interconnection of subscribers connected thereto |
| H04Q 5/24 | 1-Punkt Untergruppe | . for two-party-line systems |
| H04Q 7/00 | Hauptgruppe | Selecting arrangements to which subscribers are connected <u>via</u> radio links or inductive links |
| H04Q 7/06 | 1-Punkt Untergruppe | . in which the radio or inductive links are essentially one-way, e.g. selective calling systems [6] |
| H04Q 7/08 | 2-Punkt Untergruppe | Selective calling networks, e.g. wide area paging [6] |
| H04Q 7/10 | 2-Punkt Untergruppe | Selective call encoders, i.e. equipment at paging centre or base station [6] |
| H04Q 7/12 | 2-Punkt Untergruppe | with acknowledge back capability [6] |
| H04Q 7/14 | 2-Punkt Untergruppe | Selective call receivers [6] |
| H04Q 7/16 | 3-Punkt Untergruppe | Selective call decoders [6] |
| H04Q 7/18 | 3-Punkt Untergruppe | Functional features associated with selective call operation, e.g. battery saving circuits, address code programming [6] |
| H04Q 7/20 | 1-Punkt Untergruppe | . in which the radio or inductive links are two-way links, e.g. mobile radio systems [6] |
| H04Q 7/22 | 2-Punkt Untergruppe | using dedicated mobile switching centres, e.g. cellular systems [6] |
| H04Q 7/24 | 2-Punkt Untergruppe | using public exchanges or networks with at least partially integrated mobile switching or mobile application [6] |
| H04Q 7/26 | 2-Punkt Untergruppe | using a private branch exchange (PBX) as final selecting device, e.g. cordless PBX [6] |
| H04Q 7/28 | 2-Punkt Untergruppe | Trunked radio systems, i.e. sharing radio channel among active subscribers [6] |
| H04Q 7/30 | 2-Punkt Untergruppe | Base station equipment [6] |
| H04Q 7/32 | 2-Punkt Untergruppe | Mobile subscriber equipment [6] |
| H04Q 7/34 | 2-Punkt Untergruppe | Test or monitoring equipment [6] |
| H04Q 7/36 | 2-Punkt Untergruppe | Arrangements for mobile service area coverage, e.g. cells layout [6] |
| H04Q 7/38 | 2-Punkt Untergruppe | Arrangements for completing call to or from mobile subscriber [6] |
| H04Q 9/00 | Hauptgruppe | 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 9/02 | 1-Punkt Untergruppe | . Automatically-operated arrangements |
| H04Q 9/04 | 1-Punkt Untergruppe | . Arrangements for synchronous operation |
| H04Q 9/06 | 1-Punkt Untergruppe | . Calling by using amplitude or polarity of dc |
| H04Q 9/08 | 1-Punkt Untergruppe | . Calling by using continuous ac |
| H04Q 9/10 | 2-Punkt Untergruppe | using single different frequencies |
| H04Q 9/12 | 2-Punkt Untergruppe | using combinations of frequencies |
| H04Q 9/14 | 1-Punkt Untergruppe | . Calling by using pulses |
| H04Q 9/16 | 2-Punkt Untergruppe | by predetermined number of pulses |
| H04Q 11/00 | Hauptgruppe | Selecting arrangements for multiplex systems (multiplex systems H04J) |

H04Q 7/32

| Symbol | Тур | Titel |
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| H04Q 11/02 | 1-Punkt Untergruppe | . for frequency-division multiplexing |
| H04Q 11/04 | 1-Punkt Untergruppe | . for time-division multiplexing |
| H04Q 11/06 | 2-Punkt Untergruppe | Time-space-time switching [5] |
| H04Q 11/08 | 2-Punkt Untergruppe | Time only switching [5] |