Symbol	Typ	Titel
H	**Sektion**	**SECTION H — ELECTRICITY**
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	Typ	Titel
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	Typ	Titel
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	Typ	Titel
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 via 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)**

Symbol	Typ	Titel
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]