NOTES
1. This subclass covers:
   • methods, circuits, or apparatus for establishing selectively a connection between a desired number of stations (normally two), or between a main station and a desired number of substations (normally one) for the purpose of transferring information via this connection after it has been established;
   • selective calling arrangements over connections already established.
In either case, the connection may be made by means of electric conductors or electromagnetic waves.
2. In this subclass, the following terms or expressions are used with the meanings indicated:
   • “subscriber” is a general term for terminal equipment, e.g. telephone for public use;
   • “substation” means a subscriber or monitoring equipment which may connect a single subscriber to a line without choice as to subscriber;
   • “satellite” is a kind of exchange the operation of which depends upon control signals received from a supervisory exchange;
   • “switching centres” includes exchanges and satellites.

WARNING
In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.
1/16  . .  Wiring arrangements for selector switches or relays in frames
1/18  . .  Electrical details
1/20  . .  Testing circuits or apparatus; Circuits or apparatus for detecting, indicating, or signalling faults or troubles
1/22  . .  Automatic arrangements
1/24  . .  for connection devices
1/245  . .  [in time-division multiplex systems]
1/26  . .  for signalling trouble in unoccupied sub-exchanges
1/28  . .  Current-supply circuits or arrangements for selection equipment at exchanges
1/30  . .  Signalling arrangements; Manipulation of signalling currents (multiplex systems providing for calling or supervisory signals H04J 1/14, H04Q 3/12; telephone substation equipment H04M 1/00)
1/32  . .  using trains of dc pulses (H04Q 1/39 takes precedence)
1/34  . .  Impulse regenerators with mechanical or other non-electrical marking arrangements
1/36  . .  Pulse-correcting arrangements, e.g. for reducing effects due to interference
1/38  . .  using combinations of direct currents of different amplitudes or polarities over line conductors or combination of line conductors
1/39  . .  using coded pulse groups
1/40  . .  whereby duration of pulse or interval between two pulses is variable
1/42  . .  involving the position of a pulse in a cycle
1/44  . .  using alternate current (H04Q 1/50 takes precedence)
1/442  . .  with out-of-voice band signalling frequencies
1/4423  . .  [using one signalling frequency]
1/4426  . .  [using two or more signalling frequencies, transmitted in succession or simultaneously]
1/444  . .  with voice-band signalling frequencies
1/446  . .  using one signalling frequency (H04Q 1/46 takes precedence)
1/4465  . .  [the same frequency being used for all signalling information, e.g. A.C. nr.9 system]
1/448  . .  with conversion of a single frequency signal into a digital signal
1/4485  . .  [which is transmitted in digital form]
1/45  . .  using multi-frequency signalling (H04Q 1/46 takes precedence)
1/453  . .  in which m-out-of-n signalling frequencies are transmitted
1/4535  . .  [with an additional signal transmitted for voice protection]
1/457  . .  with conversion of multifrequency signals into digital signals
1/4575  . .  [which are transmitted in digital form]
1/46  . .  comprising means for distinguishing between a signalling current of predetermined frequency and a complex current containing that frequency, e.g. speech current
1/48  . .  Induced-current signalling arrangements
1/50  . .  Conversion between different kinds of signals
1/54  . .  Amplifier switched-on automatically in dependence on automatically-selected lines
1/56  . .  Balancing circuitry switched-on automatically in dependence on automatically-selected lines
3/00  Selecting arrangements (H04Q 5/00 - H04Q 11/00 take precedence)
3/0004  . .  [using crossbar selectors in the switching stages]
3/0008  . .  [using relay selectors in the switching stages]
3/0012  . .  [in which the relays are arranged in a matrix configuration]
3/0016  . .  [Arrangements providing connection between exchanges]
3/002  . .  [Details]
3/0025  . .  [Provisions for signalling (circuitry in H04Q 1/30)]
3/0029  . .  [Provisions for intelligent networking]
3/0033  . .  [customer-controlled]
3/0037  . .  [involving call modelling techniques, e.g. modifications to the basic call state model [BCSM]]
3/0041  . .  [involving techniques for avoiding interaction of call service features]
3/0045  . .  [involving hybrid, i.e. a mixture of public and private, or multi-vendor systems]
3/005  . .  [Personal communications services, e.g. provisions for portability of subscriber numbers (subscriber services provided at exchanges H04M 3/42)]
3/0054  . .  [Service creation techniques]
3/0058  . .  [using service-independent building blocks (SIBBs) or "primitives"]
3/0062  . .  [Provisions for network management]
3/0066  . .  [Bandwidth allocation or management]
3/007  . .  [customer-controlled]
3/0075  . .  [Fault management techniques]
3/0079  . .  [involving restoration of networks, e.g. disaster recovery, self-healing networks]
3/0083  . .  [Network planning or design; Modelling of planned or existing networks]
3/0087  . .  [Network testing or monitoring arrangements]
3/0091  . .  [Congestion or overload control]
3/0095  . .  [Specification, development or application of network management software, e.g. software re-use]
3/02  . .  Circuit arrangements for selectors responsive to a permutation code
3/04  . .  Circuit arrangements for receivers of routing digits
3/06  . .  for group or trunk group selectors
3/08  . .  for local or long-distance selectors
3/10  . .  for PBX selectors, i.e. private branch exchange selectors
3/12  . .  for line selectors providing transfer of routing digits
3/14  . .  for two-way operation selectors
3/16  . .  for marking-switches
3/18  . .  Circuit arrangements for first stage of hunting switching
3/20  . .  for preselectors
3/22  . .  comprising common calling and disconnecting circuit
3/24  . .  for line finders
3/26  . .  comprising common calling and disconnecting circuit
3/28 . . . comprising main groups and subgroups
3/30 . . . Selector finders, i.e. allocators
3/32 . . . Circuit arrangements for second or subsequent stages of hunting switching
3/34 . . . for the second preselection stage
3/36 . . . for the second line-finder stage
3/38 . . . for stages after the group selector stage
3/40 . . . for stages after the line selector, e.g. for extension selector
3/42 . . . Circuit arrangements for indirect selecting controlled by common circuits, e.g. register controller, marker
3/44 . . . using revertive control
3/46 . . . using signals other than revertive impulses
3/47 . . . using translators
3/48 . . . using markers
3/49 . . . for end-to-end marking
3/495 . . . for routing connecting paths
3/52 . . . using static devices in switching stages, e.g. electronic switching arrangements
3/521 . . . [using semiconductors in the switching stages]
3/523 . . . [Details]
3/525 . . . [using tubes in the switching stages]
3/526 . . . [Optical switching systems]
3/528 . . . [Details]
3/54 . . . in which the logic circuitry controlling the exchange is centralised
3/542 . . . [Logic circuits or arrangements therefor (logic circuits in general H03K 19/00)]
3/545 . . . using a stored programme
3/54508 . . . [Configuration, initialization]
3/54516 . . . [Initialization, software or data downloading (G06F 9/445 takes precedence)]
3/54525 . . . [Features introduction]
3/54533 . . . [Configuration data, translation, passwords, databases]
3/54541 . . . [using multi-processor systems]
3/5455 . . . [Multi-processor, parallelism, distributed systems]
3/54558 . . . [Redundancy, stand-by]
3/54566 . . . [Intelligent peripherals, adjunct processors]
3/54575 . . . [Software application]
3/54583 . . . [Software development, e.g. procedural, object oriented, software generation, software testing]
3/54591 . . . [Supervision, e.g. fault localisation, traffic measurements, avoiding errors, failure recovery, monitoring, statistical analysis]
3/55 . . . using wired logic circuitry
3/552 . . . [Wired circuits or arrangements therefor]
3/555 . . . being comprised by electro-magnetic devices
3/56 . . . in which the control signals are multiplexed
3/58 . . . Arrangements providing connection between main exchange and sub-exchange or satellite
3/60 . . . for connecting to satellites or concentrators which connect one or more exchange lines with a group of local lines
3/602 . . . [Circuit arrangements therefor]
3/605 . . . [Arrangements in the satellite or concentrator]
3/607 . . . [Details]
3/62 . . . for connecting to private branch exchanges
3/622 . . . [Circuit arrangements therefor]
3/625 . . . [Arrangements in the private branch exchange]
3/627 . . . [Details]
3/64 . . . Distributing and queueing
3/645 . . . [Circuit arrangements therefor]
3/66 . . . Traffic distributors
3/665 . . . [Circuit arrangements therefor]
3/68 . . . Grouping or interlacing selector groups or stages
3/685 . . . [Circuit arrangements therefor]
3/70 . . . Identification of class of calling subscriber
3/72 . . . Finding out and indicating number of calling subscriber
3/74 . . . Identification of subscriber calling from a party-line
3/76 . . . Translation from the called subscriber's number to the outgoing or incoming control information
3/78 . . . Temporary storage of information of calling or called subscriber (intermediate storage means for telegraphic communication H04L 13/08)
5/00 Selecting arrangements wherein two or more subscriber stations are connected by the same line to the exchange
5/02 . . . with direct connection for all subscribers, i.e. party-line systems (H04Q 5/24 takes precedence)
5/04 . . . Signalling by currents in one or other or both line wires or additional wires
5/06 . . . Signalling by amplitude or polarity of dc
5/08 . . . Signalling by continuous ac
5/10 . . . using single frequencies for different subscribers
5/12 . . . using combinations of frequencies
5/14 . . . Signalling by pulses
5/16 . . . by predetermined number of pulses
5/18 . . . with indirect connection, i.e. through subordinate switching centre
5/20 . . . the subordinate centre permitting interconnection of subscribers connected thereto
5/22 . . . the subordinate centre not permitting interconnection of subscribers connected thereto
5/24 . . . for two-party-line systems
5/245 . . . [Circuit arrangements in which for one subscriber low frequency speech and/or signalling signals proceed on the line, while for the other subscriber the low frequency speech and/or signalling signals are modulated upon a high frequency carrier signal]
9/00 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
9/02 . . . Automatically-operated arrangements
9/04 . . . Arrangements for synchronous operation
9/06 . . . Calling by using amplitude or polarity of dc
9/08 . . . Calling by using continuous ac
9/10 . . . using single different frequencies
9/12 . . . using combinations of frequencies
9/14 . . . Calling by using pulses
9/16 . . . by predetermined number of pulses
11/00 Selecting arrangements for multiplex systems (multiplex systems H04J)
11/0001 . . . [using optical switching]
Constructional details of selecting arrangements

11/003 . . . [Details]
11/005 . . . [Switch and router aspects]
2011/007 . . . [Construction]
2011/009 . . . [using wavelength filters]
2011/011 . . . [using wavelength conversion]
2011/013 . . . [using gating amplifiers]
2011/015 . . . [using splitting combining]
2011/016 . . . [using wavelength multiplexing or demultiplexing]
2011/018 . . . [using tunable transmitters or receivers]
2011/002 . . . [using optical delay lines or optical buffers or optical recirculation]
2011/004 . . . [using fibre gratings]
2011/004 . . . [using space switching]
2011/006 . . . [using free space propagation (e.g. lenses, mirrors)]
2011/008 . . . [using holograms]
2011/003 . . . [using switches based on microelectromechanical systems [MEMS]]
2011/003 . . . [using static wavelength routers (e.g. arrayed waveguide grating router [AWGR])]}
2011/003 . . . [using time division switching]
2011/005 . . . [using miscellaneous components, e.g. circulator, polarisation, acousto/thermooptical]
2011/006 . . . [Operation]
2011/007 . . . [Electrical control]
2011/008 . . . [Optical control]
2011/009 . . . [Fault tolerance]
2011/010 . . . [Synchronisation]
2011/011 . . . [Broadcast; Multicast]
2011/013 . . . [Crosstalk reduction; Noise; Power budget]
2011/015 . . . [Arbitration and scheduling]
2011/017 . . . [Interconnection of switches]
2011/018 . . . [Distribute-route]
2011/019 . . . [Clos]
2011/020 . . . [Crossbar; Matrix]
2011/021 . . . [Full mesh]
11/022 . . . [Network aspects]
2011/006 . . . [Arbitration, scheduling or medium access control aspects]
11/006 . . . [Provisions for optical burst or packet networks]
2011/007 . . . [using dedicated optical channels]
11/007 . . . [Provisions for the electrical-optical layer interface]
2011/007 . . . [Provisions for forwarding or routing, e.g. lookup tables]
2011/007 . . . [Wavelength grouping or hierarchical aspects]
2011/007 . . . [Labelling aspects, e.g. multiprotocol label switching [MPLS], G-MPLS, MPAS]
2011/007 . . . [Operation or maintenance aspects]
2011/008 . . . [Fault tolerance; Redundancy; Recovery; Reconfigurability]
2011/008 . . . [Testing; Monitoring]
2011/008 . . . [Quality of service aspects]
2011/008 . . . [Network resource allocation, dimensioning or optimisation]
2011/008 . . . [Signalling aspects]
2213/00  Indexing scheme relating to selecting arrangements in general and for multiplex systems

2213/001  .  Motorselectors
2213/002  .  Graphical representation
2213/003  .  Constructional details
2213/011  .  Periodic optical structures, e.g. gratings, holograms
2213/012  .  Tunable optical systems
2213/013  .  Optical shutters, e.g. LCD arrays
2213/014  .  Optical storage, not delay lines
2213/015  .  3D-optical arrangement
2213/016  .  Optical subcarrier modulation
2213/017  .  Optical polarisation
2213/02  .  Relay switches
2213/03  .  PAM
2213/031  .  PCM
2213/032  .  Delta modulation
2213/033  .  Other modulation methods
2213/034  .  Codec; PCM compression
2213/036  .  Series parallel conversion; Parallel bit transmission
2213/037  .  Resonant transfer; Sample and hold
2213/038  .  Optical modulation
2213/04  .  Coordinate switches; Crossbar switches
2213/042  .  Elements placed in matrix relation, not serving as connection switch
2213/046  .  Binary switch (Beta element)
2213/05  .  Software aspects
2213/052  .  Multi-tasking
2213/053  .  Priority levels
2213/054  .  Expert systems, e.g. neural networks
2213/055  .  Linked lists
2213/056  .  Software routines, e.g. finite state machines
2213/058  .  IRQ
2213/061  .  Preselector; Second line switch
2213/062  .  Finder switch (e.g. line finder, call finder)
2213/063  .  Strowger-switch as finder switch
2213/064  .  Cascaded finder or preselector switches
2213/065  .  Group selector
2213/066  .  Switch with two or more wipersets
2213/067  .  Finder switch serving as final selector
2213/068  .  Final selector
2213/069  .  Panel switches
2213/07  .  Call distribution; Call detection; Call signalling by common apparatus
2213/072  .  Sequence circuits
2213/076  .  Distributing frame; Cross connect
2213/08  .  Power supply
2213/082  .  Phantom circuits
2213/09  .  Subscriber related equipment; Analog terminal
2213/091  .  Indication of kind/number of subscriber
2213/092  .  Scanning of (subscriber) lines, registers, translators
2213/093  .  Personal computer
2213/094  .  Range extender
2213/095  .  User access; PIN code
2213/096  .  Digital subscriber terminal
2213/097  .  Numbering
2213/098  .  Mobile subscriber
2213/099  .  Loop multiplexer (not ISDN BRI/PRI; not 381), e.g. loop splitter
2213/10  .  Register
2213/101  .  Discriminating selectors
2213/102  .  Common translator
2213/103  .  Memories
2213/104  .  Central control; Computer control
2213/106  .  Microcomputer; Microprocessor
2213/107  .  Control equipment for part of the connection
2213/109  .  Initialising; Downloading of parameters or program routines
2213/11  .  Sequence switches
2213/12  .  Call indicator, e.g. number indicator
2213/121  .  Marker
2213/124  .  Pulse distributor
2213/13  .  Charging
2213/13001  .  Step by step switches
2213/13003  .  Constructional details of switching devices
2213/1301  .  Optical transmission, optical switches
2213/13012  .  Hybrid fiber coax, HFC
2213/13016  .  Optical subcarrier modulation
2213/1302  .  Relay switches
2213/1303  .  Pulse amplitude modulation, PAM
2213/13031  .  Pulse code modulation, PCM
2213/13034  .  A/D conversion, code compression/expansion
2213/13036  .  Serial/parallel conversion, parallel bit transmission
2213/13038  .  Optical modulation
2213/13039  .  Asymmetrical two-way transmission, e.g. ADSL, HDSL
2213/1304  .  Coordinate switches, crossbar, 4/2 with relays, coupling field
2213/13046  .  Binary switch, $\beta$-element
2213/1305  .  Software aspects
2213/13051  .  Software generation
2213/13052  .  Multitasking
2213/13053  .  Priority levels
2213/13054  .  Expert system
2213/13056  .  Routes, finite state machines
2213/13057  .  Object-oriented software
2213/13058  .  Interrupt request
2213/1307  .  Call setup
2213/13072  .  Sequence circuits for call signaling, ACD systems
2213/13076  .  Distributing frame, MDF, cross-connect switch
2213/1308  .  Power supply
2213/13082  .  Power supply via phantom line
H04Q

2213/1309 . Apparatus individually associated with a subscriber line, line circuits
2213/13091 . CLL, identification of calling line
2213/13092 . Scanning of subscriber lines, monitoring
2213/13093 . Personal computer, PC
2213/13094 . Range extender
2213/13095 . PIN / Access code, authentication
2213/13096 . Digital apparatus individually associated with a subscriber line, digital line circuits
2213/13097 . Numbering, addressing
2213/13098 . Mobile subscriber
2213/13099 . Loop multiplexer
2213/131 . Register
2213/13102 . Common translator
2213/13103 . Memory
2213/13104 . Central control, computer control
2213/13106 . Microprocessor, CPU
2213/13107 . Control equipment for a part of the connection, distributed control, co-processing
2213/13109 . Initializing, personal profile
2213/131121 . Marker
2213/131124 . Pulse distributor
2213/1313 . Metering, billing
2213/13134 . Coin boxes, payphone, prepaid
2213/13136 . Collect call (information service H04Q 2213/13376)
2213/13138 . Least cost routing, LCR
2213/13139 . Fraud detection/prevention
2213/13141 . Hunting for free outlet, circuit or channel
2213/13144 . Searching path through number of switching stages or nodes, e.g. revertive blocking
2213/13145 . Rerouting upon failure
2213/13146 . Rerouting upon blocking/overload, rearrangement
2213/13148 . Maximum profit routing
2213/13149 . Change of provider, e.g. network or service
2213/1315 . Call waiting
2213/13152 . Callback
2213/13156 . Automatic digit redialling, automatic call retry
2213/1316 . Service observation, testing
2213/13162 . Fault indication and localisation
2213/13163 . Fault alarm
2213/13164 . Traffic (registration, measurement,...)
2213/13166 . Fault prevention
2213/13167 . Redundant apparatus
2213/13168 . Error Correction
2213/13172 . Supervisory signals
2213/13173 . Busy signals
2213/13174 . Data transmission, file transfer
2213/13175 . Graphical user interface [GUI], WWW interface, visual indication
2213/13176 . Common channel signaling, CCS7
2213/13178 . Control signals
2213/13179 . Fax, still picture
2213/1318 . Ringing
2213/1319 . Amplifier, attenuation circuit, echo suppressor
2213/13191 . Repeater
2213/13194 . Four wire connection, transmission
2213/13196 . Connection circuit/link/trunk/junction, bridge, router, gateway
2213/13199 . Modem, modulation
2213/132 . Multiple-zone-metering
2213/13201 . Change-over of service during connection
2213/13202 . Network termination [NT]
Key telephone systems
Simulation, emulation
Store & forward, messaging systems (email)
Picturop hone, videotelephony
Do-not-disturb
Ciphering, encryption, security
Configuration within the switch
Connections within the switch
Arrangement of switches in the network
Neural networks
Overflow
Intelligent networks, SCP
Channel/line reservation
Network management
Self-routing networks, real-time routing
Routing table, map memory
Synchronisation
Synchronous systems
Asynchronous systems
Pulse stuffing, bit stuffing
Hierarchical multiplexing, add-drop multiplexing
Operator, emergency services
Intercepting operator
Paging
Electronic mail
Information service, downloading of information, 0800/9000 services
Recorded announcement
Speech recognition, speech analysis
Inter-exchange connection
Pair-gain system, digital loop carriers
Hierarchy of switches, main and subexchange, e.g. satellite exchange
Inter-PBX traffic, PBX networks, e.g. corporate networks
Off-net subscriber
Line concentrator
Call gapping
Saturation signaling systems
LAN, internet
Fixed association of channels
Channel assigned to connections
Channels assigned according to rules
Time slot switching, T-stage, time slot interchanging, TSI
Permanent channel, leased line
Signaling in general, in-band signalling
Virtual channel/circuits
Coin box
Data transmission out of voice frequency band
Dual frequency signaling, DTMF
Detection of data transmission mode
Service creation
Feature interactions
primitives - inc. service-independent building blocks [SIBBs]
object-oriented systems
client/server architectures
management information base [MIB]
reservation
800 - freephone
quality of service - inc. grade of service
authentication, authorisation - fraud prevention
agents or brokers - user, terminal etc., also OSI agent/managers
SLEE - service logic execution
fault management
traffic management
bandwidth management, e.g. capacity management
cost management (least cost)
GUI - graphical user interface, inc. for service creation
resource management
protocols - X.25, TCAP etc.
SCP architecture
virtual networks - inc. PVN
mobile networks
multivendor and hybrid, e.g. public/private, networks, inc. international
Internet - WWW, HTML, browsers etc.
distributed systems - also domains in service creation
routing
numbering plans, e.g. number re-allocation
network planning, configuration management, e.g. for growth
modeling or simulation, particularly of networks
monitoring of signaling messages, intelligent network
Intelligent Peripheral
subscriber, e.g. profile, database, database access
call modeling, e.g. Basic Call State Model
congestion - inc. overflow
blocking
call gapping, e.g. to prevent congestion
load balancing
restoration, e.g. disaster recovery, self-healing networks
mediation
negotiation, management policy, goals
Collect call, e.g. 800 service
Least cost routing
Busy test, e.g. marking busy
Hunting for free outlet, circuit, channel
Searching a free path through cascaded switching stages
Rerouting, e.g. on failure
Rearrangement
Waiting
Automatic call retry
Automatic redialling
Service observation; Fault circuit; Testing
Blocking or cutoff of faulty apparatus, e.g. timed out
Fault indication, e.g. localisation
Fault alarm
Traffic registration; Adaptation of traffic possibilities
Prevention of faults
Redundancy
H04Q

2213/171  Number indicating signals (no dial signals)
2213/172  Supervisory signals
2213/173  Busy signal
2213/174  Data transmission
2213/175  Other signals
2213/176  Common channel signalling
2213/177  Number sending signals, e.g. dialling tone, proceed to send
2213/178  Control signals, e.g. also service connection
2213/179  Facsimile; Fax, e.g. still picture
2213/18  Ringing
2213/182  Ring trip
2213/19  Echo-cancelling; Hybrid; Amplifier; Attenuator
2213/191  Repeater
2213/192  Common amplifier for bidirectional traffic
2213/194  Four-wire connection or transmission
2213/196  Connection-circuit; Trunk; Junction circuit
2213/197  Ping-pong transmission
2213/198  Temporary associated devices; Pooled adapters
2213/199  Modem
2213/20  ISDN
2213/201  Change-over service
2213/202  Network termination [NT]
2213/203  Exchange termination [ET]
2213/204  ISDN protocol; ISO 7
2213/205  Primary rate access
2213/206  User-to-user signalling
2213/208  Inverse multiplexing; Time slot sequence integrity [TSSI] aspects
2213/21  Impulse transmission
2213/211  Impulse correction or reshaping
2213/212  Absorbing of digits
2213/214  Phase shifted impulses; Clock signals; Timing
2213/215  Code checking
2213/216  Code signals; Framing (not synchronizing)
2213/217  Setting of switch by means of pulses
2213/218  Bistable relays, e.g. Ferreed
2213/22  PBX
2213/222  PBX circuits in public exchange (Centrex)
2213/23  Partyline
2213/24  Conference circuit
2213/242  Broadcast and multicast (1:N)
2213/243  Con-cast, e.g. multipoint-point (N:1)
2213/246  Instant speaker's algorithm [ISA]
2213/25  Preferential service
2213/251  Restricted service
2213/252  Breaking-in on existing connection
2213/256  Call screening
2213/26  Call-back
2213/27  Release
2213/271  Forced release
2213/272  Premature release
2213/274  Call rejection
2213/28  Call transfer
2213/281  Prepared call transfer, e.g. night service, intercepting service
2213/282  Call forwarding
2213/284  Call tracing
2213/286  Direct inward dialling [PBX]
2213/287  Call service, e.g. morning call service
2213/29  ATM
2213/291  Frequency division multiplex
2213/292  Time (de)multiplexing
2213/293  Irregular time switching, e.g. TASI; Burst switching
2213/294  Other multiplexing systems, e.g. codemultiplex, TDM, FDM, FDM and Space division, TDM and Space division
2213/295  Wavelength division multiplex
2213/296  Packet switching
2213/297  Coupling circuits between different (rate) TDM systems
2213/298  Loop or ring system
2213/299  Bus
2213/301  Tubes and other non-linear elements with 2 electrodes, e.g. diodes
2213/302  Magnetic elements
2213/303  Tubes and other non-linear elements with more than two electrodes
2213/304  Superconductors; Thermistors; Varistors
2213/305  Transistors
2213/306  Ferro-electric elements
2213/307  Hall elements
2213/308  Photo conductors; Photo elements
2213/31  Delay devices; Circuits, e.g. shift memories
2213/32  Logic elements
2213/322  Integrated circuit
2213/323  Special systems; Special service
2213/323  Abbreviated dialing
2213/332  Broadband system
2213/333  Systems with earth-satellites
2213/334  Key telephone system
2213/335  Simulation
2213/336  Store and forward, e.g. message switching
2213/337  Picturephone
2213/338  Do not disturb
2213/339  Ciphering/encryption
2213/34  General scheme; Position of components in an exchange
2213/341  Contactbank connections
2213/342  General scheme; Position of exchanges
2213/343  Neural network
2213/344  Overflow
2213/345  Intelligent network
2213/346  Switch with inverted grouping
2213/347  Nodal network
2213/348  Reservation of lines/channels
2213/349  Network management; Expert system
2213/35  Separate control and speech paths, e.g. route-searching planes
2213/352  Self-routing switch
2213/353  Map memory
2213/36  Synchronisation
2213/361  Synchronous system
2213/362  Asynchronous system
2213/363  Bit or pulse stuffing
2213/366  Integrated systems, e.g. transparency
2213/367  Multiple multiplexing; Hierarchical multiplexing
2213/37  Operator
2213/372  Intervention by operator; Intercepting operator
2213/374  Paging
2213/375  Electronic mail
2213/376  Information service
2213/377  Recorded announcement
Speech recognition; Speech analysis
Interexchange connections, e.g. connections of different kinds of networks
Pair gain system
Provisions for interexchange traffic in the local exchange
Main and subexchange, e.g. satellite exchanges
Inter-PBX traffic; PBX networks
Traffic in PBX to and from public exchange
Line concentrator
Saturation signalling system
Channels assigned to subscribers
Channel allocation to connections
Channel allocation - special rules
Channel interchanging, e.g. time slot switching
Channel assignment without time slot switching
(Semi)permanent channels, e.g. leased lines
Signalling in general; Special register channel
Virtual channel allocation
DC and voltages of different kinds or values
AC outside voice band
Voice frequency
Voice frequency current used for digit selection
Push-button dialling (not H04Q 2213/405)