1. DIAGNOSTIC TESTING, MALFUNCTION INDICATION, OR ELECTRICAL CONDITION MEASUREMENT

1.01 Of audio message storage and retrieval
1.02 Of data transmission
1.03 Qualifying line for data transmission
1.04 Including fault responsive disconnection of tested component
1.05 Of hybrid or echo suppressor or canceller
1.06 For detection of eavesdropping device
1.07 With blocking of normal usage
1.08 Of centralized switching system
1.09 Software compatibility
1.10 Maintenance console
1.11 Trouble ticket reporting
1.12 Record or report generation
1.13 Backup system
1.14 Of line interface circuitry
1.15 Of plural exchange network
1.16 Fault segmentation (e.g., error location in network)
1.17 By automatic testing sequence
1.18 By call generator
1.19 Script file generation or execution
1.20 Routiner
1.21 With dedicated testing line or trunk
1.22 Of call timing or charging equipment
1.23 Of switching equipment or network element
1.24 Advanced intelligent network (AIN)
1.25 Provisioning of service
1.26 Of plural AIN elements
1.27 Determining fault location
1.28 Of switching path
1.29 Of switching selector
1.30 By use of call address signal
1.31 Rapid manual connecting structure for test equipment
1.32 Of switchboard element condition (e.g., lamp)
1.33 Using portable test set (e.g., handset type)
1.34 Of trunk or long line

2. Including fault responsive disconnection of tested component
2.01 Of digital loop carrier
2.02 Of gain test controller
2.03 Of special connector
2.04 Telephone multiconducting wires (e.g., tip, ring and ground wires)
2.05 Noise
2.06 Of line signalling
2.07 Electrical parameter measurement (e.g., attenuation)
2.08 Conductor identification or location
2.09 Testing of network terminating interface, subscriber trunk interface, or service function
2.10 With a programmable or self-test device
2.11 Testing of subscriber loop or terminal
2.12 By generating call signal
2.13 By analysis of testing signal
2.14 By automatic testing sequence (e.g., programmable, test, script or test call generation program)
2.15 Having protection circuit (e.g., surge or short circuit protector)
2.16 Having electromechanical switch or relay
2.17 Having plugging maintenance or test module
2.18 Including sampling measurement technique
2.19 Of data transmission instrument
2.20 Terminal arrangement to enable remote testing (e.g., testing interface)
2.21 By simulator (e.g., computer simulates testing personnel)
2.22 Voltage or current determination
2.23 Voltage or current detector
2.24 Metallic loop testing
2.25 By dialing back the calling terminal

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29.07 ...For a fault caused by an off-hook status
29.08 ...For a fault caused by new added service or equipment (e.g., software compatible)
29.09 ...With historical operating information database
29.1 ...Visual output (e.g., printing, displaying)
29.11 ...Having telephone maintenance termination unit (e.g., MTU)
30 ...Loop impedance (e.g., resistance, capacitance)
31 ...Of line signalling generator (e.g., dial, tone code generator)
32.01 ...Monitoring
32.02 ...Trunk or long line
32.03 ...AIN link
32.04 ...Subscriber line
32.05 ...Call tracing
33 ...Alarm or emergency (e.g., cut line)
35 ...Listening-in or eavesdropping type
36 ...FREE CALLING FROM PAYSTATION
37 ...EMERGENCY OR ALARM COMMUNICATIONS (E.G., WATCHMAN'S CIRCUIT)
38 ...Personal monitoring (e.g., for the ill or infirm)
39 ...Responsive to sensed nonsystem condition
40 ...Automatic dialing
41 ...Transmission of recorded audio message
42 ...Plural conditions
43 ...Fire
44 ...Intrusion
45 ...Central office responsive to emergency call or alarm (e.g., "911", operator position display)
46 ...Called line or station condition responsive (e.g., recall if busy)
47 ...Plural alarms over single line
48 ...Announcement or alarm received at terminal station (e.g., "butt-in", alarm)
49 ...Central station with plural substations
50 ...By pulse or digital signal
51 ...With automatic dialing or transmission of recorded audio message
52 ...INCLUDING AID FOR HANDICAPPED USER (E.G., VISUAL, TACTILE, HEARING AID COUPLING)
55.1 ...HAVING NEAR FIELD LINK (E.G., CAPACITIVE, INDUCTIVE)
56.1 ...HAVING LIGHT WAVE OR ULTRASONIC LINK FOR SPEECH OR PAGING SIGNAL
56.2 ...Including fiber optic link within telephone network
56.3 ...Including infra-red link with landline telephone network
67.1 ...AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS
68 ...Dynamic audio signal recording or reproduction
69 ...Call originating
70 ...Call intercept or answering
71 ...Consecutive use of recorded phrases or words to form message
72 ...Sequential or repeated announcement during single call initiated cycle
73 ...Plural record carrier channels
74 ...Remote control over telephone line
75 ...Remote dictation
76 ...Announcement selection or replacement
77 ...Control by generated tone
78 ...Acoustic coupling
79 ...With specified call initiated cycle control circuitry
80 ...Voice signal presence responsive
81 ...Call termination responsive (e.g., hang-up)
82 ...Having specified call initiation (e.g., ringing) responsive circuitry
83 ...Structural detail of storage medium drive
84 ...At switching facility (e.g., central office, switchboard)
85 ...Recording of telephone signal during normal operation
86 ...Inductive pickup
87 ...Reproduced signal distributed over telephone line
88.01 ...Voice activation or recognition

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88.02  ..Voice verification (e.g., voice authorization, voiceprint, etc.)
88.03  ..Voice dialing
88.04  ..Voice controlled message management
88.05  .Multilingual system or operation
88.06  .Language selection
88.07  .Digital signal processing (DSP)
88.08  .Message signal analysis
88.09  ..Statistical analysis (e.g., time, date, length of message, etc.)
88.1   .Including data compression
88.11  .Display of message related information
88.12  .Indication or notification of message
88.13  .Multimedia system (e.g., voice output combined with fax, video, text, etc.)
88.14  .Presentation format conversion
88.15  ..Pager activation
88.16  .Voice message synthesis
88.17  .Interaction with an external nontelevision network (e.g., Internet)
88.18  .Interacting voice message systems
88.19  .Call source identification
88.2   .Automatic Number Identification (ANI)
88.21  ..Caller identification received at substation
88.22  .Message management
88.23  ..Controlled by subscriber or caller
88.24  ...By generated tone
88.25  ...Message storage in centralized location (e.g., central office, PBX, etc.)
88.26  ....Recording voice message from non subscriber caller
88.27  ..Separate storage for voice and control information
88.28  ..Solid state memory storage
90.01  .TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE ELECTRICAL SYSTEM OR SIGNALLING (E.G., COMPOSITE)
91.01  .Credit authorization
91.02  ..At switching station
92.01  .Polling
92.02  ..Televoting
To produce visual-graphic copy (e.g., facsimile)

Having detachable device (e.g., detachable storage medium, scanner)

Usage system

Communication charge calculation

Monitoring

Communication status notification

Using mark sheet

Electronic mailbox

Relay system

From a library

Connection to plural networks or lines

Format conversion

Call signal generation (e.g., auto-dial)

Having switching to other communication modes

Voice mode

Transmission scheme

Audio program distribution

Remote control

Communication device

Entertainment appliance (e.g., TV, VCR, radio, etc.)

Power source

Of heating, ventilation, air conditioner (e.g., HVAC)

Of physical entrance or exit lock

Having indication

Remote indication over telephone line (e.g., telemetry)

Patient monitoring

Meter reading

Having power supply circuitry

Having ringing suppression

Having time window

Having interrogation signal

Having line status detection

Ringing suppression

Interrogation signal

Telesgraphy

Over telephone line

COMPOSITE SUBSTATION OR TERMINAL (E.G., HAVING CALCULATOR, RADIO)

WITH USAGE MEASUREMENT (E.G., CALL OR TRAFFIC REGISTER)

Call traffic recording by computer or control processor

Redundant processor or backup processor

Estimating blocking probability (e.g., gapping control)

Threshold or limiting control configuration

Optimization network

Generalized statistics about telephone network usage

Carrier usage data

Trunk or path usage data

Specialized exchange

Traffic rate for overload

Call charge metering or monitoring

Least cost

Billing computing software or program

Charge error detection

Special service fees (e.g., customized feature)

Incentive billing

Gaming

Variable rate

Bandwidth

Traffic

Time controlled

Discount or bargaining

Advertisement

Fraud detection or control

Calling card

Monitoring account or card usage balance

Having complementary item (e.g., novelty)

Credit card

Pre-paid calling account or card

Redirect billing

Split billing or cost sharing

Third party billing

1-800 billing

1-900 billing

Based on unique account code

Portable number billing

Advanced intelligent billing network (e.g., a billing service control processor)
114.29 Using more than one advanced intelligent elements (e.g., accessing multiple AIN databases)...
115.01 Interexchange billing operation...
115.02 Long distance billing...
115.03 Interfacing with foreign exchange...
116 Hardcopy record generating...
117 Of station on paystation or party line...
118 Identification of station...
119 Hardcopy record generating (e.g., ticket printing)...
120 With line identification or class of service determination...
121.01 At local exchange carrier (e.g., central switching office)...
121.02 Discount charge rate or billing plan...
121.03 Multiple billing account...
121.04 Detail of call history and rates database...
121.05 Call record modification...
121.06 Having network terminating point receiving registration from subscriber terminal...
122 With display...
123 Paystation (e.g., escrow control)...
124 Pulse counting or accumulating (e.g., "message metering")...
125 Local or zone...
126 Assembling billing record (e.g., automatic message account (AMA), call detail record (CDR), etc.)...
127.01 Having line identification associated with call billing (e.g., automatic number identification (ANI))...
127.02 Fraud control or billing restriction...
127.03 Billing code or trigger code...
127.04 Pricing a call made from different account (e.g., calling card, credit card)...
127.05 Billing option selection...
127.06 Having terminal identification...
128 Time of day controlled...
129 Manually set (e.g., key and lock)...
130 At subscriber station...
131 Time controlled...
132 Paystation (e.g., escrow control)...
133 Call traffic recording or monitoring...
134 At central station...
135 With hardcopy record generation (e.g., ticket printing)...
136 With display...
137 Trunk usage (e.g., peg count)...
138 All trunks busy metering...
139 Counting the number of completed connections...
140 At subscriber...
141 Mechanical register...
142.01 RECEPTION OF CALLING INFORMATION AT SUBSTATION IN WIRELINE COMMUNICATIONS SYSTEM...
142.02 Blocking caller ID transmission...
142.03 Using a trigger code...
142.04 Extracting call ID from transmitted signal...
142.05 Authentication or authorization...
142.06 Matching and retrieving stored caller ID information from a database...
142.07 Routing an incoming call on multiple lines to a particular appliance (e.g., facsimile, computer, or telephone)...
142.08 Call waiting associated with caller ID information...
142.09 Non-assigned telephone number indication...
142.1 Caller location indication (e.g., city, state, etc.)...
142.11 Caller local time indication...
142.12 Including master-slave modules, parent-child terminals, or controller-adjunct units...
142.13 Adaptive module coupled to telephone line or telephone device...
142.14 Format conversion...
142.15 Connecting to an external information processing terminal (e.g., computer)...
142.16 Having broadband premise equipment (e.g., TV)...
142.17 Having display unit...
142.18 Including DTMF signal...
143 WITH CHECK OPERATED CONTROL (E.G., PAYSTATION)
379 - 6 CLASS 379 TELEPHONIC COMMUNICATIONS

144.01 .Other than coin
144.02 ..Collect calling from payphone
144.03 ..Fraud detection in payphone
144.04 ..Card reader
144.05 ..Payphone service associated or integrated with other communication device (e.g., computer, fax, etc.)
144.06 ..Special circuitry for processing accounting data
144.07 ..Information message notification at paystation
144.08 ..Visual display
145 ..Fraud or interference prevention
146 ..Coin signalling or control
147 ..Coin box audit or totalizer
148 ..Denomination
149 ..Post-pay coin collection
150 ..Coin disposition (i.e., return or collection)
151 ...Upon connection to called station
152 ...Magnet, electromagnet, or relay controlled from central office
153 ...Paystation (e.g., controlled by refund key)
154 ..At central office
155 ..At terminal station (e.g., coin paystation)
156 MULTI-LINE OR KEY SUBSTATION SYSTEM WITH SELECTIVE SWITCHING AND CENTRAL SWITCHING OFFICE CONNECTION
157 .With special service
158 ..Conferencing
159 ..With intercom system
160 ..With connection of intercom station to subscriber line
161 ..With exclusion or priority feature (e.g., lockout or privacy)
162 ..Detail of hold circuitry
163 ..Electronic
164 ..Line status indication or call alerting
165 ..Switching or supervision feature (e.g., common control, digital)
166 ..Detail of line circuit or line card
167.01 PRIVATE (E.G., HOUSE OR INTERCOM) OR SINGLE LINE SYSTEM
167.02 .At collective house
167.03 .At booth (e.g., at theater, gas station, etc.)
167.04 ..Having intercom switch
167.05 .Doorbell system
167.06 ..Having access code
167.07 ..Having remote controlling station (e.g., gate guard or attendant)
167.08 ..Call addressing or announcing
167.11 ..Having connection to telephone line
167.12 ..Having display
167.13 .Having telephone adaptor system
167.14 .Two-way voice channel
167.15 .Having transducer circuitry
168 ..Lockout
169 ..Central power source
170 ..With paging
171 .Having plural stations with selective calling (e.g., master)
172 ..With call addressing
173 ..With call addressing
174 .Including body or apparel supported terminal (e.g., headgear)
175 ..For underwater use (e.g., in diver's suit)
176 ..With central power source
177 POLYSTATION LINE SYSTEM (I.E., PARTY LINE)
178 .Revertive call
179 .Call alerting (e.g., ringing)
180 ..Full selective or tuned (e.g., harmonic)
181 ..Semi-selective (e.g., line side, polarized)
182 .Automatic or unattended
183 ..Station identification
184 ..Lockout
185 .Portable or mobile
186 ..Central power source
187 .Connected to central office
188 CALL OR TERMINAL ACCESS ALARM OR CONTROL
189 .Fraud or improper use mitigating or indication (e.g., "blue box", "black box")
190 ..Time out
191 ..At switching center
192 ..Of call duration (e.g., conversation timer)
193 ..Of specific equipment
194 ..Lockout or double use signalling
195 ..In automatic system

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CLASS 379 TELEPHONIC COMMUNICATIONS

196  .At switching center
197  ..Central office
198  ..PBX
199  .At substation
200  ..Restrictive dialing circuit
201.01  SPECIAL SERVICES
201.02  .Service profile (e.g., calling service)
201.03  .Creation of service (e.g., using object oriented programming, primitive, function)
201.04  .Display arrangement
201.05  .Distribution of service (e.g., downloading, uploading)
201.06  .Locating using diverse technology (e.g., using infrared badge, sensor, card reader)
201.07  .Called party
201.08  .Calling party
201.09  .Object
201.1  .Detecting presence or absence of party or object
201.11  .Anonymous party (e.g., protection of called or calling party's identity, privacy)
201.12  .Provisioning
202.01  .Conferencing
203.01  .Operator control
204.01  .Subscriber control
205.01  .Conferencing initiation by single calling station
206.01  .At substation
207.01  .Three-way calling
207.02  .Service trigger (activation or deactivation)
207.03  .Time (e.g., time of day, expiration of time period, time zone, date)
207.04  .Line or loop condition
207.05  .Busy signal (e.g., off hook)
207.06  .Transition from off-hook to on-hook (e.g., busy to idle, hook flash)
207.07  .Transition from on-hook to off-hook (e.g., idle to busy)
207.08  .No answer (e.g., ringing signal, on-hook, idle)
207.09  .Number of rings
207.1  .Expiration of predetermined time period
207.11  .Service access code
207.12  .Party location
207.13  .Party identification or validation (e.g., personal identification number (PIN))
207.14  .Dialed number identification service (DNIS)
207.15  .Automatic number identification or calling number identification (ANI or CLID)
207.16  .Ringing signal (e.g. having a predetermined cadence or distinctive ring)
208.01  .Priority override (e.g., butt-in)
209.01  .Repetitive call attempts (e.g., camp-on-busy, retry)
210.01  .Reserved call (e.g., return call, call back, scheduled call, reestablished call)
210.02  .Call blocking
210.03  .Call from anonymous caller
211.01  .Call diversion (e.g., call capture)
211.02  .Call forwarding
211.03  .Sequential ringing
211.04  .Simultaneous ringing
211.05  .Smart card
212.01  .Call transfer
213.01  .Intercept (e.g., dead or changed number)
214.01  .Secretarial or answering service
215.01  .Call Waiting
216.01  .Abbreviated dialing or direct call (e.g., hot line)
217.01  .Audible paging
218.01  .Automatic directory service (e.g., on-line)
218.02  .Performed by operator (e.g., butt-in, busy verification)
219  PLURAL EXCHANGE NETWORK OR INTERCONNECTION
220.01  .With interexchange network routing
221.01  .Alternate routing
221.02  .Service provider selection (e.g., local or long distance, primary and alternate carriers)
221.03  .Failure (e.g., disaster, overload, blockage)
221.04  .Restoration (e.g., backup, recovery)
221.05  .Based upon historical data
221.06  .Algorithm (e.g., software, computer program)

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Parameter optimization or enhancement (e.g., capacity or bandwidth)

Advanced intelligent network (AIN)

Service control point (SCP, ISCP, external database)

Signal transfer point (STP, ISTP)

Adjunct or intelligent peripheral (IP)

Service control point (SCP, ISCP, external database)

Routing parameter (e.g., area code, address, service provider identifier)

Connection call model (e.g., virtual network, displayed models)

. Toll center

. With operator assistance

. Tandem switching center

. Multi-PBX interconnection

. Having a manual exchange

. With an automatic exchange

. Having signalling to operator

. Interexchange signalling

. Signalling path distinct from trunk (e.g., CCIS)

. Central office-to-PBX signalling

. PBX trunk groups

. Direct inward dialing

. PBX to central office signalling (e.g., direct outward dialing)

. Voice frequency signalling over trunk

. D.C. signalling over trunk

. Pulse or digital signalling

. Having signalling repeater

. Using register-sender

. Interexchange trunk circuit

. Glare or simultaneous seizure mitigation

CENTRALIZED SWITCHING SYSTEM

. Class of service determination or transmission

. In common control system

. Identification

. Of line or trunk

. With display

. Using matrix

. For nuisance call mitigation

. Four-wire switching

With generating of call associated substation signal

For alerting signal at called station (e.g., ringing)

Electronic

Associated with connector

With interrupter

Having automatic or through ringing

For calling station (e.g., status or progress tones)

Automatic call distributor (ACD) system

Reporting status (e.g., supervisory reporting)

Log-on or log-off of agent

Agent assignment (e.g., allocation of agent's time to a specific task)

Monitoring agent performance (e.g., quality of agent's performance)

Speech of agent or customer (e.g., talk time)

Average call length

Having a multimedia feature (e.g., connected to Internet, E-mail, etc.)

Predictive (e.g., anticipating next available agent)

Routing to available agent

Based on agent's skill (e.g., language spoken by agent)

Based on type of call

Based on time (e.g., longest waiting agent)

Call or agent queuing

Based on type of call

Based on time (e.g., age of queued call, time of day, date)

Overflow (e.g., queue-to-queue, ACD-to-ACD)

Split

Estimating or reporting waiting time

Call campaign (e.g., script, application, inbound/outbound balancing)

Predictive inbound/outbound balancing

Home agent

Call record

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Switching controlled in response to called station addressing signal

Including deflected electron beam switching device or mechanical or optical switching control (e.g., fluidic)

With operator position or completion of call (e.g., dial "O", semiautomatic)

Operator controlled register-sender

Call extension by operator

....With call indicator or announcer

....A to B operator

....Operator's console

....Having shared or common switching control

....Distributed control

....In-stage or interstage scanning (e.g., link scanning)

....Having multistage switching

....Path selection or routing

.....Alternate routing

.....With busy or idle test

.....Including marking circuit

.....End-to-end marking (e.g., self-seeking)

.....With busy or idle test

.....Interstage junctor or "trunk"

.....Control reliability (e.g., redundancy)

....Including registering or storing device for call address signal

....Conversion between dial pulse and voice frequency signal

....Voice frequency receiver

.....Dual tone multifrequency (DTMF) receiver

....With processor

....With magnetic memory

....Signal processing (e.g., dial pulse analysis)

....Electronic

....Register-sender

....Translator

....With time division of control or supervisory signals

....With detail of crosspoint switching structure (e.g., crossbar)

....Electronic crosspoint (e.g., solid-state)

....Having line finder

....Including electronic element (e.g., tube or semiconductor)

....Plural

....With repeater

....Having specified busy-idle test

....Direct control

....Step-by-step system

....Having plural wiper sets

....Having potential control

....Having rotary switch

....Coordinate system (e.g., X-Y)

....All relay type

....Having motor-driven switch

....With crosspoint switch detail

....With power supply

....Switching apparatus for connecting calling line to operator's position

....Call distribution or queuing

....Divided central (e.g., communication between switchboards)

....Having signalling path feature

....Having multiple answering jacks for multiplied line

....Auxiliary (e.g., overflow)

....With line-signal control

....Spring-jack cut-off

....Relay cut-off

....Central power source

....Single switchboard (e.g., cord circuit)

....Switchboard circuit

....Connection to operator's terminal

....Power supply

....Power to switching equipment

....Central power source (e.g., common battery, line current feed)

....Structure of equipment

....Wire or cable distribution

....Main or intermediate distribution frame

....Equipment mounting or support

....Allowing movement of equipment (e.g., movable, modular)

....Housing

....Having protective circuit

....Plug and socket
CONCENTRATOR OR TRUNK SELECTOR
- Concentrator-distributor pair (e.g., line concentrator)
- Using crossbar or crosspoint switching
- With magnet, electromagnet, or relay
- With busy-idle test (e.g., idle trunk finder)

REPEATER (E.G., VOICE FREQUENCY)
- With signal conversion (e.g., dial to DTMF, analog to PCM)
- Having line length compensation or equalization
- Pulse or tone repeater (e.g., electromechanical relay)
- Electronic (e.g., logic circuitry)
- Controlled by a pilot or reference signal
- Component processes bidirectional signals
- Including two-to-four wire conversion or hybrid circuit
- With frequency discriminator or negative impedance element
- With gain or attenuation control
- Transmission of power to distant repeater
- Having voice frequency transformer

ECHO CANCELLATION OR SUPPRESSION
- Additional signal enhancement (e.g., voice processing or recognition)
- Disable or inhibit function
- Residual echo cancellation
- Using digital signal processing
- Using attenuator
- Adaptive filtering
- Least mean squares (LMS) algorithm
- With training sequence
- Convolution processing
- Frequency domain analysis
- Fourier analysis
- Sub-band analysis
- Additional analog processing
- Having analog variolosser or attenuator

SUPERVISORY OR CONTROL LINE SIGNALING
- Signalling integrity protection (e.g., voice signal immunity)
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<td>Including musical sound generation</td>
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<td>374.03</td>
<td>Alerting by other than sight or sound (e.g., vibration)</td>
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<td>Having electronic call sounder (e.g., tone &quot;ringer&quot;)</td>
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<td>Visual indication of incoming call (e.g., LED or light bulb)</td>
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<td>Using line or loop condition detection (e.g., line circuit)</td>
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<td>With current controlling electromagnetic core device (e.g., Hall-effect device)</td>
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<td>Signal receiver (e.g., tone decoder)</td>
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<td>Substation or terminal circuitry</td>
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<td>Conversion of signal form (e.g., A/D, frequency or phase)</td>
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<tr>
<td>388.06</td>
<td>Comparing signal level of receiving and transmitting circuits</td>
</tr>
<tr>
<td>388.07</td>
<td>Controlling acoustic feedback</td>
</tr>
<tr>
<td>390.01</td>
<td>Amplification or attenuation level control</td>
</tr>
<tr>
<td>390.02</td>
<td>Filtering (FIR, HPF, Widrow-Hoff, LMS)</td>
</tr>
<tr>
<td>390.03</td>
<td>Automatic gain control</td>
</tr>
<tr>
<td>390.04</td>
<td>Hybrid circuit</td>
</tr>
<tr>
<td>391</td>
<td>Sidetone control or hybrid circuit (e.g., induction coil)</td>
</tr>
<tr>
<td>392</td>
<td>Suppression (e.g., antisidetone)</td>
</tr>
<tr>
<td>392.01</td>
<td>Noise suppression</td>
</tr>
<tr>
<td>393</td>
<td>Hold circuit</td>
</tr>
<tr>
<td>394</td>
<td>Impedance matching or line equalizing</td>
</tr>
<tr>
<td>395</td>
<td>Amplifying (e.g., AGC or AVC)</td>
</tr>
<tr>
<td>395.01</td>
<td>Power control or detection circuit</td>
</tr>
<tr>
<td>396</td>
<td>Visual signalling (e.g., lamp)</td>
</tr>
<tr>
<td>397</td>
<td>Wire distribution</td>
</tr>
<tr>
<td>398</td>
<td>Line equalization or impedance matching</td>
</tr>
<tr>
<td>399.01</td>
<td>Subscriber line or transmission line interface</td>
</tr>
<tr>
<td>399.02</td>
<td>Circuitry to provide a coder and decoder function</td>
</tr>
<tr>
<td>400</td>
<td>For line length compensation</td>
</tr>
<tr>
<td>401</td>
<td>Voltage boosting circuit</td>
</tr>
<tr>
<td>402</td>
<td>Hybrid circuit</td>
</tr>
<tr>
<td>403</td>
<td>With adjustable balance circuit</td>
</tr>
<tr>
<td>404</td>
<td>Automatic adjustment</td>
</tr>
<tr>
<td>405</td>
<td>Electronic noninductive</td>
</tr>
<tr>
<td>406</td>
<td>Protective circuit</td>
</tr>
<tr>
<td>407</td>
<td>Power supply (e.g., battery feed)</td>
</tr>
<tr>
<td>408</td>
<td>Circuitry to provide ringing current supply</td>
</tr>
<tr>
<td>409</td>
<td>Network interface device (NLD)</td>
</tr>
<tr>
<td>410</td>
<td>Including connection for alternate communication line (e.g., cable)</td>
</tr>
<tr>
<td>413.01</td>
<td>Connection block or module</td>
</tr>
<tr>
<td>414</td>
<td>Transmission line conditioning</td>
</tr>
<tr>
<td>415</td>
<td>Reactance neutralizing</td>
</tr>
<tr>
<td>416</td>
<td>Interference suppression</td>
</tr>
<tr>
<td>417</td>
<td>Anticrosstalk</td>
</tr>
<tr>
<td>418</td>
<td>Call signal generating (e.g., ringing or tone generator)</td>
</tr>
<tr>
<td>419</td>
<td>Terminal</td>
</tr>
</tbody>
</table>
Having loudspeaking conversation capability (e.g., hands-free type or speakerphone)

Hands-free loudspeaker feature

Hands-free microphone feature

Hands-free accessory or attachment

Having muting

Switch or switch actuator structure

Line selection

Receiver or handset position responsive (e.g., hookswitch)

With mechanism for latching hookswitch or plunger against motion

Movable holder for receiver or handset

Having plunger and lever linkage

Housing or housing component

Handset or headset combined with telephone base

Display on telephone base

Base having detachable accessory

Having distinct circuitry support structure (e.g., circuit board)

Body supported (e.g., headgear)

Separate housings for earphone and microphone (e.g., candlestick type)

Handset structure

Speaker mounting (i.e., speaker phone feature)

Microphone mounting

Display on handset

Connector

Button or switch having specific function

Keypad

Battery

Card (e.g., SIM or magnetic strip card)

Handset having special feature (e.g., wrist watch)

Moveable or removable element (e.g., cover)

Slideable mechanism

Rotatable mechanism (e.g., hinge)

Loudspeaking set

Specified terminal configuration (e.g., novelty type)

Wall set or convertible type

Desk set

Protective structure

Of cord or connector

Antiseptic

Casing or enclosure, per se

TERMINAL ACCESSORY OR AUXILIARY EQUIPMENT

With circuit connection to terminal

Including coupler (e.g., inductive)

Acoustic

Locking device

Telephone receiver support

Attachable to terminal housing

Hookswitch operator

Clips onto terminal structure

Protective structure

Antiseptic, disinfecting, or disposable

Hood or enclosure (e.g., booth)

Support or stand

Handset holder

Dialing tool

MISCELLANEOUS

CROSS-REFERENCE ART COLLECTIONS

INTERNET (E.G., INTERNET PHONE, WEBSITE, INTERNET-BASED TELEPHONY)

VIRTUAL NETWORKS OR VIRTUAL PRIVATE NETWORKS

AUTO-SWITCH FOR AN INCOMING VOICE DATA, OR FAX TELEPHONE CALL (E.G., COMP/FAX/TEL)

PASSWORD

AUTO-CALLING

FAX MAIL

TOUCHTONE MESSAGE TRANSMISSION

SPEECH RECOGNITION VIA TELEPHONE SYSTEM OR COMPONENT

MULTIMEDIA

ALTERNATIVES

BAR CODE OR OPTICAL CHARACTER READER WITH TELEPHONE

November 2012
Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collections listed below. These Collections contain ONLY foreign patents or non-patent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collections listed below. These Collections contain ONLY foreign patents or non-patent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

FOR 100 HAVING NEAR FIELD LINK (E.G., CAPACITIVE, INDUCTIVE) (379/55)
FOR 101 HAVING ELECTROMAGNETIC LINK FOR SPEECH OR PAGING SIGNAL (E.G., LIGHT WAVE LINK) (379/56)
FOR 112 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE ELECTRICAL SYSTEM OR SIGNALLING (E.G., COMPOSITE) (379/90)
FOR 113 .Credit authorization (379/91)
FOR 114 .Polling (e.g., audience survey) (379/92)
FOR 115 .With transmission of a digital message signal over a telephone line (379/93)
FOR 116 ..Including switching station (379/94)
FOR 117 ..Access restricting (379/95)
FOR 118 ..Including terminal for display of digital information (379/96)
FOR 119 ..By voice frequency signal (e.g., tone code) (379/97)
FOR 120 ..By modulated audio tone (379/98)
FOR 121 ..Having acoustic link (379/99)
FOR 122 .To produce visual-graphic copy reproduction (e.g., facsimile) (379/100)
FOR 123 .Audio program distribution (379/101)
FOR 124 .Remote control (379/102)
FOR 125 ..Of entrance or exit lock (379/103)
FOR 126 ..With indication (379/104)
FOR 127 ..From terminal (379/105)
FOR 128 .Remote indication over telephone line (e.g., telemetry) (379/106)
FOR 129 ..Meter reading (379/107)
FOR 130 .Telegraphy (379/108)
FOR 131 ..Over telephone line (379/109)
FOR 132 COMPOSITE SUBSTATION OR TERMINAL (E.G., HAVING CALCULATOR, RADIO) (379/110)
FOR 133 WITH AUDIO MESSAGE STORAGE AND RETRIEVAL (379/111)
FOR 134 ..Stored in digital form (379/88)
FOR 135 ..Subscriber control of central office message storage or retrieval (379/89)
FOR 136 .DIAGNOSTIC TESTING, MALFUNCTION, INDICATION, OR ELECTRICAL CONDITION MEASUREMENT (379/1)
FOR 137 ..By loopback (379/5)
FOR 138 ..By analysis of injected tone signal (379/6)
FOR 139 ..By automatic testing sequence (e.g., programmable, scanning) (379/10)
FOR 140 ..Of automatic switching equipment (379/15)
FOR 141 ..Fault detection or location (e.g., continuity, leakage) (379/26)
FOR 142 ..Of subscriber loop or terminal (379/27)
FOR 143 ..Terminal arrangement to enable remote testing (e.g., testing interface) (379/29)
FOR 144 ..Indication of nonstandard condition of telephone equipment (379/32)
FOR 145 ..SERVICE MONITORING OR OBSERVATION (379/34)
FOR 146 ..Computer or processor control (379/112)
FOR 147 ..Call traffic recording (379/113)
FOR 148 ..Call charge metering or monitoring (379/114)

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FOR 149 ...Interexchange operations (379/115)
FOR 150 AT CENTRAL OFFICE (379/121)
FOR 151 .Having line identification (e.g., automatic number identification-"ANI") (379/127)

FOR 152 WITH CALLING NUMBER DISPLAY OR RECORDING AT CALLED SUBSTATION (379/142)
FOR 153 .Other than coin (379/144)
FOR 154 .PRIVATE (E.G., HOUSE OR INTERCOM) OR SINGLE LINE SYSTEM (379/167)
FOR 155 .SPECIAL SERVICES (379/201)
FOR 156 .Conferencing (379/202)
FOR 157 .Operator control (379/203)
FOR 158 .Subscriber control (379/204)
FOR 159 .Conference initiation by single cabling station (379/205)
FOR 160 ...At substation (379/206)
FOR 161 ...At plural exchange (379/207)
FOR 162 .Priority override (e.g., butt-in) (379/208)
FOR 163 ...Repetitive call attempts (e.g., camp-on-busy, retry) (379/209)
FOR 164 ...Call diversion (e.g., call capture) (379/210)
FOR 165 .Call forwarding (379/211)
FOR 166 .Call transfer (379/212)
FOR 167 .Intercept (e.g., dead or changed number) (379/213)
FOR 168 ...Secretary or answering service (379/214)
FOR 169 .Call waiting (379/215)
FOR 170 .Abbreviated dialing or direct call (e.g., hot line) (379/216)
FOR 171 .Audible paging (379/217)
FOR 172 .Performed by operator (e.g., butt-in, busy verification) (379/218)
FOR 173 .With interexchange network routing (379/220)
FOR 174 .Alternate routing (379/221)
FOR 175 .Call distribution to operator (379/265)
FOR 176 .Call queuing (379/266)
FOR 177 .Repertory or abbreviated call signal generation (379/355)
FOR 178 .With dynamic memory (379/356)
FOR 179 ...Insertable control element or circuitry (e.g., card) (379/357)

FOR 180 .Incoming call alerting (e.g., ringing) (379/373)
FOR 181 .With music or audible message generation (379/374)
FOR 182 ...With electronic call sounder (e.g., tone "ringer") (379/375)
FOR 183 ...With visual indication of incoming call (379/376)
FOR 184 SUBSTATION OR TERMINAL CIRCUITRY (379/387)
FOR 185 .For loudspeaking terminal (379/388)
FOR 186 ..With circuitry for voice control of transmission direction (379/389)
FOR 187 ..With amplification or attenuation level control (379/390)
FOR 188 SUBSCRIBER LINE OR TRANSMISSION LINE INTERFACE (379/399)
FOR 189 .Echo suppression, anti-sighing, or reverse path blocking (379/406)
FOR 190 ..Disable or inhibit (379/407)
FOR 191 ..Control by pilot frequency signal (379/408)
FOR 192 ..Having variocoupler or attenuator (379/409)
FOR 193 ..Echo cancellation (e.g., phase opposition) (379/410)
FOR 194 ...Having transversal filter (379/411)
FOR 195 ..Having loudspeaking conversation capability (e.g., hands-free type or speakerphone) (379/420)
FOR 196 ..Housing or housing component (379/428)
FOR 197 ..Handset structure (379/433)

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