

850	UNDERWATER	855.5	..Digital signal processing in subsurface transmitter
851	.Ship guidance system	855.6	...Having acoustic sensor
852	.Electrodes and electrode systems	855.7	.Modification of signal bandwidth, frequency, or circuit impedance at subsurface location
853.1	WELLBORE TELEMETERING OR CONTROL (E.G., SUBSURFACE TOOL GUIDANCE, DATA TRANSFER, ETC.)	855.8	.Including specified power transmission feature or source (e.g., battery, etc.)
853.2	.Diagnostic monitoring or detecting operation of communications equipment or signal	855.9	..Specified alternating current (A.C.) circuit feature
853.3	.Selective control of subsurface equipment	856.1	.In horizontal or inclined passage arrangement
853.4	..In horizontal or inclined drilling or passage	856.2	.With expandable or inflatable sensor element or mounting
853.5	...Control of drilling apparatus using magnetic field	856.3	.Including particular sensor
853.6	..Control of drill bit or apparatus (e.g., steering, speed, etc.)	856.4	..Acoustic or vibratory (e.g., sonic, fluidic, etc.)
853.7	.Repeater in subsurface link (e.g., cable, etc.)	870.01	CONTINUOUSLY VARIABLE INDICATING (E.G., TELEMETERING)
853.8	.With orientation sensing of subsurface telemetering equipment (other than drilling equipment)	870.02	.With meter reading
853.9	.Including detail of subsurface signal storage (e.g., memory, recorder, register, etc.)	870.03	..Having plural transmitters
854.1	.With position or depth recording (e.g., line payout, equipment locator, etc.)	870.04	.With calibration
854.2	..Location of collar or stuck tool	870.05	.With calculation
854.3	.Using a specific transmission medium (e.g., conductive fluid, annular spacing, etc.)	870.06	..Plural transmitters (e.g., ratio)
854.4	..Drill string or tubing support signal conduction	870.07	.Combined (TM system with other system)
854.5	..Wellbore casing or ground	870.08	..Radio dial
854.6	..Electromagnetic energy (e.g., radio frequency, etc.)	870.09	..With alarm or annunciator (concurrent with TM)
854.7	...Optical link (e.g., waveguide, etc.)	870.1	.For radio sonde
854.8	...Near field coupling (e.g., inductive, capacitive, etc.)	870.11	.Plural transmitters
854.9	..Cable or wire (e.g., conductor as support, etc.)	870.12	..Frequency division multiplex
855.1	...Coupling connection structural feature	870.13	..Time division multiplex
855.2	...Single conductor cable or wire	870.14	...Using particular sync
855.3	.Multiplexed signals	870.15	..With plural receiver
855.4	.Pulse or digital signal transmission	870.16	.Condition responsive
		870.17	..Temperature
		870.18	.Using a particular modulation (e.g., phase, frequency, or amplitude)
		870.19	..Pulse
		870.2	...Pulse repetition
		870.21	...Analog to digital function converter
		870.22	...Permutation code
		870.23	...Increase pulses plus decrease pulses
		870.24	...Pulse duration (e.g., pulse train)
		870.25	.Phase variation

870.26	.Frequency variation	912	..Standby cycling implemented if invalid transmission received or loss of transmission occurs
870.27	.Plural circuits, each for particular magnitude		
870.28	.Via radiant energy beam (via particular energy)	913	..Offset control
870.29	..Photoelectric cell pickup	914	..Split control
870.3	..With particular transmitter (e.g., piezoelectric, dynamo)	915	..Central station includes display of status of indicators
870.31	..Inductive transmitter	916	.Intersection normally under local controller
870.32	...Mutual inductance		
870.33	....Flux valve type (e.g., with movable saturating magnet)	917	..Controller responsive to traffic detectors
870.34	....Self-synchronous type	918	...Controller, when changing right of way, alters or skips normal "go" cycle of street having no traffic detected
870.35	....Differential type		
870.36	.....Linear variable differential transformer (LVDT)		
870.37	..Capacitive transmitter	919	...Plural cross highways at intersection each have traffic detectors
870.38	..Resistive transmitter		
870.39	..With supply voltage regulation or compensation	920	....Density determines split
870.4	..With particular receiver (e.g., ratiometer)	921	.....Extension of time
870.41	..Plural receivers	922	...Density determines split
870.42	..With feedback (e.g., reflex along line)	923	...Extension of time
870.43	...Follow-up (e.g., circuit rebalanced when upset)	924	..Local controller can be superceded by central station controller
870.44	..With discharge device (e.g., CRT)	925	..Pedestrian control
901	EXTERNAL CONDITION VEHICLE- MOUNTED INDICATOR OR ALARM	926	..Manual setting of cycle length and split times
902	.Transmitter in another vehicle (e.g., emergency vehicle)	927	..Rotating cam structure (specific structure required)
903	..Relative distance between vehicles (e.g., collision alert)	928	.Combined (e.g., toll systems, one-way)
904	.Transmitter in one vehicle only	929	.Indication of time remaining before change of phase
905	.Highway information (e.g., weather, speed limits, etc.)	930	..Electromechanical movable auxiliary indicator
906	OVERRIDE OF TRAFFIC CONTROL INDICATOR BY COMMAND TRANSMITTER	931	.Traffic control or local controller failure indicator
907	TRAFFIC CONTROL INDICATOR	932	.Pacing (e.g., vehicle keeps pace with sequentially activated lights)
908	.Portable	932.1	.Pivoted
908.1	..Barricade marker	932.2	VEHICLE PARKING INDICATORS
909	.Plural intersections under common central station control	933	VEHICLE DETECTORS
910	..Central station responsive to traffic detectors	934	.Density
911	...Central station controls offset (time between beginning of same phase at adjacent intersections)	935	.Discriminates vehicle direction
		936	.Speed and overspeed
		937	.With camera
		938	.Compensation for vehicle remaining at sensor position
		939	.Environmental or drift compensation
		940	.With pneumatic

941	.Inductive	980	..Indicator visible in pilot's line of sight through windscreen
942	.Photoelectric	981	.Aircraft beacons
943	.Sonic or ultrasonic	982	..Lights communicate (e.g., direction, altitude, reference position to observer)
944	PEDESTRIAN GUIDANCE	983	.Obstruction beacon
945	AIRCRAFT ALARM OR INDICATING SYSTEMS	984	WATERCRAFT ALARM OR INDICATING SYSTEMS
946	.Nonairplane (e.g., balloon or helicopter)	985	.Navigation guides (e.g., channel lights)
947	.Land-based landing guidance	986	.Anchor movement
948	..Aircraft actuation of land-based landing guides	987	.Rudder position indicator
949	..Wind direction	988	VEHICLE POSITION INDICATION
950	..Movable (e.g., rotatable) guides	989	.At remote location
951	..Phased landing guidance (e.g., runway approach, landing, touchdown)	990	..With map display
952	..Particular energy guide source (e.g., sound, electric field, radio)	991	..Position indication transmitted by vehicle after receipt of information from local station
953	...Visual source	992	..Position indication transmitted at periodic intervals (e.g., distance travelled)
954	...Alignment of plural sources	993	..Position indication transmitted by local station to remote location
955	...Plural colors	994	..Vehicle's arrival or expected arrival at remote location along route indicated at that remote location (e.g., bus arrival systems)
956	...Modulated light source	995.1	.Map display
957	..Magnetic field guide	995.11	..Having plural maps
958	.Docking guidance	995.12	..Transmission of map data to vehicle
959	.Takeoff indicator	995.13	...Traffic information
960	.Landing gear indicator	995.14	..Manipulation of map display or data
961	.Potential collision with other aircraft	995.15	...Having adjustable map (e.g., scalable, etc.)
962	.Icing indicator	995.16	...Input device
963	.Flight alarm	995.17	...Display change based on vehicle position
964	..Phased warnings for same flight condition	995.18	...Particular data storage
965	..Tactile	995.19	..Route determination and display on map
966	..Stall	995.2	...Intersection turn guidance
967	..Attitude (including yaw, angle of attack, roll, pitch, glide slope)	995.21	...Off course, route re-search
968	..Wind shear	995.22	....Pattern matching
969	..Speed	995.23	....Specifying particular start/destination
970	..Altitude	995.24	..Including landmark information
971	.Nonalarm flight indicator	995.25	..Including vehicle position correction
972	..Runway presentation		
973	..Indicator of at least four flight parameters (altitude, speed, etc.)		
974	..Attitude		
975	...Roll or pitch		
976	...Glide slope or path		
977	..Altitude		
978	..Speed		
979	..Heading (includes deviation from desired course)		

995.26	..Including particular display structure (e.g., detachable, rolling map sheet, etc.)	435	.Of relative distance from an obstacle
995.27	..Including particular display feature (e.g., indication of direction, mileage, road type, etc.)	436	.Of collision or contact with external object
995.28	..Including particular position/direction sensor	437	..Curb
996	.Prerecorded message describes position	438	.Internal alarm or indicator responsive to a condition of the vehicle
425.5	LAND VEHICLE ALARMS OR INDICATORS	439	..Operation efficiency (e.g., engine performance, driver habits)
426.1	.Of burglary or unauthorized use	440	..Tilt, imbalance, or overload
427	..Of motorcycles or bicycles	441	..Speed of vehicle, engine, or power train
428	..Responsive to changes in voltage or current in a vehicle electrical system	442	..Tire deflation or inflation
429	..Responsive to inertia, vibration, or tilt	443	...By indirect detection means (e.g., height measurement)
430	..With entrance/exit time delay	444	...Relative wheel speed
426.11	..Including immobilization	445	...With particular telemetric coupling
426.12	...User activated (e.g., car-jacking, etc.)	446	...Acoustic wave
426.13	..Remote control	447	...Radio wave
426.14	...Programmable	448	...Inductive
426.15	...Status indication	449	..Temperature
426.16	...Transmitter and receiver in vehicle	450	..Fluid level
426.17	...Transmitter on user	450.1	...Of hydraulic brake fluid
426.18	..Remote alarm	450.2	...Of fuel
426.19	...Using GPS (i.e., location)	450.3	...Of lubricant (e.g., engine oil)
426.2	...Cellular	451	..Fluid pressure
426.21	...Paging	452	...Of brake fluid
426.22	..Local indication	453	..Brake or clutch condition
426.23	...Exterior of vehicle	454	...Wear
426.24	..Including specified sensor	455	..Battery charging system condition
426.25	...Plural diverse sensors	456	..Gear position
426.26	...Detecting intruder energy (e.g., infrared, etc.)	457	..Reminder
426.27	..Window (i.e., glass)	457.1	...Of seat belt application
426.28	...Door or lock	457.2	...Of headlight energization
426.29	...Trunk or hood	457.3	...Of parking brake application
426.3	...Ignition switch	458	...Of service interval expiration
426.31	...Steering wheel	459	..Lamp or lamp circuit condition
426.32	...Brake	460	..Plural conditions
426.33	...Wheel/tire	461	...With voice warning
426.34	...Accessory (e.g., speaker, radio face plate, etc.)	462	...With particular display means
426.35	..Including programmable key	463	...Digital
426.36	..Including keyless entry	464	.External alarm or indicator of movement
431	.For trailer	465	..Plural indications (e.g., go, slow, stop)
432	.For bicycle	466	..Turning or steering
433	.For school bus	467	..Speed
434	.For taxi	467	..Acceleration or deceleration
		468	.External signal light system

469	..With two or more intensity levels (e.g., day or night)	517	..Selection from a plurality of sensed conditions
470	..Pass - no pass	518	...Scanning
471	..Hazard warning or distress signalling	519	...Worst condition
472	...Auxiliary signal permanently attached to vehicle	520	...First sensed exclusively indicated
473	...Portable signal	521	...Plural diverse conditions
474	..With audible signal	522	...Combined for response
475	..Turn signal	523	...Particular sequence of conditions
476	...With automatic cancelling	524	...Condition position indicator
477	...By predetermined time interval or distance	525	...Display board
478	...With plural bulbs sequentially flashed	526	..Predetermined rate of occurrence
479	..Brake light	527	..Time delay
480	..Electromagnetically actuated mechanical signal	528	...Entrance/exit
481	..Wigwag type	529	...Condition persistence
482	..Normally encased	530	...Capacitor
483	...Plural concurrent indicators	531	..With particular coupling link
484	...Sliding sign or shutter	532	..Having particular safety function
485	...Window exhibited sign or shutter	533	..Wired
486	....Drum	534	...Coded message
487	..Pivoting	535	...Mechanical code means (e.g., coded disc)
488	..Multiple indicators	536	...Noninterfering
489	...Three or more positions	537	...With impedance level coding
490	....Vertical axis	538	...Combined with power line
146.2	DIGITAL COMPARATOR SYSTEMS	538.11	...Modulation technique
500	CONDITION RESPONSIVE INDICATING SYSTEM	538.12	...Noise reduction (e.g., filtering)
501	..With particular system function (e.g., temperature compensation, calibration)	538.13	....Zero crossing
502	..Acknowledgement	538.14	...Impedance matching (e.g., Y-match or delta match)
503	...With ringback	538.15	...Bi-directional (e.g., with transceiver)
504	..Answer-back	538.16	...With inductive coupling (e.g., transformer or torroid)
505	..Interrogator-responder	538.17	...With coupling plug
506	..Alarm system supervision	539.1	..Radio
507	...Fail-safe	539.11	..Including personal portable device
508	...Redundant (e.g., added circuit or loop)	539.12	...Medical
509	...Plural or diverse current sources	539.13	...Tracking location (e.g., GPS, etc.)
510	...Bridge or potential divider	539.14	..Including remote residential device
511	...Threshold or window (e.g., of analog electrical level)	539.15	...Parent/child device
512	...Pulse	539.16	...Including central station detail
513	...Diode	539.17	...And remote station detail
514	..Testing	539.18	....Dispatching
515	...Simulation of condition	539.19	....Programmable
516	...Automatic (e.g., periodic, start-up)	539.2	....Map

539.21	....Signal strength	561	...Disturbance of electric field
539.22	...Having plural distinct sensors (i.e., for surrounding conditions)	562	....Capacitance
539.23	....Proximity	563	.....With bridge
539.24	....Diagnostic	564	.....Fence
539.25	....Including video	565	...Responsive to intruder energy
539.26	...Specific environmental sensor	566	...Vibration
539.27	....Heat	567	...Electromagnetic energy
539.28	....Weather	568.1	..Article placement or removal (e.g., anti-theft)
539.29	....Dosimeter	568.2	...Signal-carrying conduit between sensor and article (e.g., cable, power cord, or data link)
539.3	...Including power saving	568.3	....Power cord
539.31	...Including tamper resistant device	568.4	....Specified connector (e.g., phone jack-type plug)
539.32	...Including location of misplaced item	568.5	...Shopping cart or item thereon
540	..Specific condition	568.6	...Sporting equipment (e.g., golfbag, club, cart, or skis)
541	..Intrusion detection	568.7	...Currency, credit card, or container therefor (e.g., wallet or handbag)
542	...Lock	568.8	...Article on pedestal, in display case, or mounted on wall (e.g., work of art)
543	....Permutation	569	...Mailbox
544	...Disturbance of fluid pressure	570	...Drawer
545.1	...Door or window movement	571	...Alarm on protected article
546	....Portable	572.1	...Detectable device on protected article (e.g., "tag")
545.2	....Specified sensor	572.2	....Specified relationship between field and detection frequencies (e.g., nth order harmonics)
547	.....Magnetic sensor	572.3	....Deactivatable by means other than mere removal
548	.....Plug or cord tension sensor	572.4	....Specified processing arrangement for detected signal
549	.....Rotatable sensor	572.5	....Having tuned resonant circuit
545.3	.....Sensing of electromagnetic energy (e.g., light, infrared, or microwave)	572.6	....Having "soft" magnetic element (e.g., Permalloy)
545.4	.....Sensing of electrical parameter (e.g., piezoelectricity or capacitance)	572.7	....Specified antenna structure
545.5	.....Inertia-type sensor (e.g., mercury or pendulum switch)	572.8	....Specified device housing or attachment means
545.6	....Door, cover, or lid for self- contained article (e.g., refrigerator, mailbox, drawer, cabinet, or box)	572.9	.....Having means locking device to article
545.7	....Specified door or window portion (e.g., doorknob)	573.1	..Human or animal
545.8	....Specified door or window attachment (e.g., shade or blind)	574	...Holdup
545.9	....Plural doors or windows	575	...Sleep
550	...Partition penetration	576	...Drive capability
551	...Disturbance of magnetic field	573.2	...Nondomestic animal (e.g., for hunting, fishing, or repelling)
552	...Disturbance of electromagnetic waves		
553	....Standing waves		
554	....Doppler effect		
555	....Light		
556	.....Beam		
557	.....Laser		

573.3	...Domestic animal training, monitoring, or controlling	617	....Pulverant material (e.g., bin)
573.4	...House arrest system, wandering, or wrong place	618	....Liquid
573.5	...Incontinence or enuresis alarm	619	.....Optical sensor
573.6	...Water safety alarm	620	.....Electrode probe
573.7	...Posture alarm	621	.....Having sonic sensor
577	..Flame	622	.....Having heat sensor
578	...By radiant energy	623	.....Float sensor
579	...By ionization or conductivity	624	.....Vertically reciprocable
580	..Ice formation	625	.....Pivoted arm
581	...Thermal	626	...Pressure
582	...Vibratory	627	...Particle suspension in fluid
583	...Photoelectric	628	....Smoke
584	..Thermal	629	.....Ionization
585	...Refrigerated storage	630	.....Photoelectric
586	...Portable	631	....Lubricant
587	...False alarm resistant	632	...Gas
588	...Time-temperature relationship (e.g., overtemperature exceeds predetermined interval or time-temperature integral)	633	...Catalytic detector
589	....Rate of temperature change	634	...Semiconductor detector
590	...Fusible, frangible, or destructible sensor	635	..Condition of electrical apparatus
591	....Containing pressurized fluid	636.1	...Battery
592	...Expanding fluid sensor	636.11	...By change or rate of change of impedance or admittance
593	...Switch sensor	636.12	...By current and voltage
594	....With bimetallic element	636.13	...By current
595	...Current modifier or generator	636.14	.....Thermochromic indication
596	....Cable or elongated probe	636.15	...By voltage
597	....Curie point sensor	636.16	...Having load detail
598	....Barrier-layer sensor	636.17	...Having overcharge detection or protection
599	....Bridge circuit	636.18	.....Including temperature detection
600	..Radiant energy	636.19	...Battery deterioration detection
601	..Meteorological condition	636.2	...Including charging circuit
602	...Moisture or humidity (e.g., rain)	636.21	...Wet cell type
603	..Fluent material	637	...Watt-hour meter
604	...Wetness	638	...Fuse or circuit breaker
605	...Leakage	639	....Plural
606	...Flow rate	640	...Heater element
607	....Filter clogging	641	...Signalling light element
608	....Stoppage	642	....Plural bulbs or filaments
609	....Counting	643	....Thermal or magnetic current sensors
610	....Vane in flow path	644	...Switch or relay
611	....Pressure	645	...Rectifier
612	...Material level	646	...Transformer
613	....Weight in container	647	...Insulation
614	....Pressure	648	...Motor
615	....Moving sensor (e.g., impeller)	649	...Condition of intentional grounding circuit
616	....Overflow	650	...Undesired circuit ground or short

651	....For plural circuit conductors	691.7	..Mechanical
652	...Breaking of circuit continuity	691.8	..Control circuit detail
653	..Electronic circuit or component	693.1	.Specified power supply
654	...Circuit energization	693.2	..Substitute or emergency source (e.g., back-up battery)
655	....Heating circuit	693.3	..Having reduced power consumption (e.g., intermittent power)
656	....Electrical socket	693.4	..Having specified voltage regulator
657	..Electrical characteristic	693.5	.Specified housing
658	...Phase or frequency	693.6	..Configured to promote sensing capability (e.g., smoke detector)
659	...Pulse or surge	693.7	...Inserted battery required for housing closure
660	...Voltage	693.8	..Simulation
661	....Comparison	693.9	..Having specified mounting structure
662	....Overvoltage	693.11	...To wall or ceiling
663	....Undervoltage	693.12	...Within another housing
664	...Current	1.1	SELECTIVE
665	..Force or stress	2.1	.Path selection
666	...Weight	2.2	..Channel selecting matrix
667	....On seat	2.21	...Plural stages
668	...Tension	2.22	....Clos type
669	..Acceleration	2.23	....Alternate routing
670	..Velocity	2.24	....Having master control element
671	...Angular	2.25	...Folded
672	....Direction of shaft rotation	2.26	...Having master control element
673	..Article transport	2.27	...Plural matrices
674	...Discrete articles	2.28	...Crosspoint switch detail (i.e., specific crosspoint)
675	...Web, film, or strip	2.29	....Semiconductor
676	....Conveyor belt	2.31	....Gas discharge
677	...Strand	2.4	..Code or pulse responsive
678	..Of geometrical gauge	2.5	..Wiper
679	..Machine condition	2.6	..Plural stages
680	..Machine tool	2.7	..Condition of data channel
681	..Synchronization	2.71	...Hunting
682	...Bearing	2.9	..Spare channel
683	...Vibration	2.8	..Data channel selector line
684	...Agricultural	2.81	..Tree or cascade
685	...Cranes	3.1	.Monitoring in addition to control (e.g., supervisory)
686.1	..Position responsive	3.2	..Synchronization
687	...Connected or disconnected	3.21	...Time slot or packet
688	...Meter dial	3.22	...Electromechanical (e.g., relay, rotary distributor)
689	...Tilt	3.23	....Relay chain
690	...Geophysical (e.g., fault slip)	3.24	....Step-by-step
686.2	...Alignment or misalignment	3.3	..Including storage or recording
686.3	...Shaft or rotary element	3.31	...Storage at controlled device or sensor
686.4	...One article inserted into another		
686.5	...Workpiece		
686.6	...Proximity or distance		
691.1	.Specified indicator structure		
691.2	..Simulated effect		
691.3	..Degree or urgency		
691.4	..Plural		
691.5	...Diverse		
691.6	..Information display		
692	..Sound reproducer		

3.32	...Storage at controller	5.23	.....Programming from coded record to controller
3.4	..Quiescent	5.24	.....Using additional record or carrier code
3.41	...Collision avoidance	5.25	.....Programming of coded record
3.42	..Control to avoid fault	5.26	....Code rotating or scrambling
3.43	..Fault condition detection	5.27	....Rule based input
3.44	...Control to correct fault	5.28	...Timed access blocking
3.5	..Including addressing	5.3	...Having indication of improper access
3.51	...Polling or roll call	5.31	....Lockout or disable
3.52	...Group address	5.32	....Visual indication
3.53	...Source address	5.33	....Including link to remote indicator
3.54	...Destination address	5.4	...Credit
3.55	....Pulse counting	5.41	....Banking or finance
3.6	..Scanning	5.42	....Debiting (e.g., rental)
3.61	...Continuous	5.5	...Input from central location for plural controlled devices
3.62	...Interrupted	5.51	..Manual code input
3.63	....Automatic	5.52	....Biometrics
3.7	..Including indicator	5.53	....Image (e.g., fingerprint, face)
3.71	...Having manual control input	5.54	....Password
3.8	..Electromechanical relay	5.55	....Rotary input
3.9	..Control then monitoring	5.6	...Coded record input (e.g., IC card or key)
4.1	..Communication or control for the handicapped	5.61	....Wireless transceiver
4.11	..Remote control	5.62	.....Including manual switching means
4.12	..Tactile	5.63	.....Including timing means (e.g., clock)
4.13	..Visual	5.64	....Wireless transmitter
4.14	..Audible	5.65	....Electronic coded record
4.2	..Synchronizing	5.66	....Magnetic coded record
4.21	..With addressing	5.67	....Mechanical coded record
4.3	..Program control	5.7	...Access barrier
4.31	..Operator initiated	5.71	....Garage door
4.32	..Download through data network	5.72	....Vehicle door
4.33	..Download through distribution network	5.73	....Lockbox
4.34	..Enable/disable (e.g., kill machine signal, etc.)	5.74	...Access to electrical information
4.35	..Time sequential manner	5.8	..Authentication (e.g., identity)
4.36	..Machine tool	5.81	...Personal identification
4.37	..Of audio system	5.82	....Biometrics
4.4	..Audio reproducing system (e.g., by pulse signal, etc.)	5.83	....Image (Fingerprint, Face)
4.41	..Plural devices	5.84	....Voice
4.42	..Wireless	5.85	....Password
4.5	..Stock quotation	5.86	...Document authentication
4.51	..With information storage	5.9	..Commodity (e.g., vending)
4.6	..Space allocation (e.g., vehicle seat, hotel reservation, etc.)	5.91	...Including merchandise information display system (e.g., store price display)
4.61	..Remote terminal	5.92	...Item inventorying
4.62	..Wireless		
5.1	..Intelligence comparison for controlling		
5.2	..Authorization control (e.g., entry into an area)		
5.21	...Varying authorization		
5.22	....Code programming		

6.1	.Having indication or alarm	7.5	...Distress signal
6.11	..Additional to other selective control	7.51	...Message presentation
6.12	..Party line	7.52	....Storing or retrieving message (e.g., received message database handling)
6.13	...Selection by means of frequency	7.53	....Canned message (audible or visual)
6.14	...Selector or indicator, per se	7.54	....Via externally coupled device
6.15	...Step-by-step impulse	7.55	....Display
6.16	....Polarity controlled	7.56	.....Including graphics
6.17	...Amplitude or polarity controlled	7.57	....Audible
7.1	..Paging to control diverse device	7.58	...Alert
7.2	..Code responsive (i.e., paging)	7.59	....Priority alert
7.21	...Two-way paging	7.6	....Vibratory (i.e., tactual) alarm
7.22	....Acknowledgment of message receipt	7.61	....Visual
7.23	.....Including reply to query	7.62	....Audible
7.24	...Transmitting configuration	7.63	...Housing detail
7.25	....Multiple transmitters	8.1	..Location indication
7.26	.....Simulcast	9.1	.Addressing
7.27	.....Zoned	9.11	..Group addressing
7.28	...Paging terminal (i.e., element prior to the transmitter)	9.12	..Asynchronous
7.29	....Terminal connected to other network	9.13	...Multiple discrete addresses
7.3	....Queuing	9.14	...Packet data
7.31	....Message input	9.15	..Including source address
7.32	...Power control or battery saving	9.16	..Programming of the address
7.33	....Based on received signal	9.17	..Plural part (e.g., digit, etc.) or repetitions
7.34	.....Frame based timing	10.1	.Interrogation response
7.35	.....Address based	10.2	..Contention avoidance
7.36	.....Received signal includes power command	10.3	..Interrogation signal detail
7.37	....Control based upon available power	10.31	...Individual call
7.38	....Time based	10.32	...Group call
7.39	...Programming the receiver	10.33	...Wake up (all call)
7.4	....Via local device	10.34	...Power up
7.41	....Over the air	10.4	..Response signal detail
7.42	...Frequency scanning for address	10.41	...Combination response
7.43	...Particular message and address format (e.g., POCSAG, FLEX, etc.)	10.42	...Identification only
7.44	....Having error detection or correction	10.5	..Additional control
7.45	...Addressing format	10.51	...Programming (e.g., read/write)
7.46	....Group call	10.52	....ID code
7.47	.....Source address	10.6	..Printout or display
7.48	.....News information provider (e.g., sports, weather, etc.)	11.1	.With multidigit encoder
7.49	....Tone code (i.e., frequency code)	12.1	.Pulse responsive actuation
		12.11	..Phase or frequency shift keying
		12.12	..Polarity
		12.13	..Pulse pairs
		12.14	..Having delay line
		12.15	..Serial
		12.16	...Pulse width
		12.17	...Pulse spacing (e.g., pulse repetition rate, etc.)
		12.18	...Counting
		12.19	....Relay

12.2	....Counting chain	13.35	...Permutation
12.21	...Shift register	13.36	...Corresponding to distinct functions
12.22	...Remote control	13.37	.Amplitude responsive actuation
12.23	....Programming	13.38	..Divided resistor
12.24	.....Operator initiated	14.1	.Decoder matrix
12.25	.....Download through data network	14.2	..Plural stage
12.26	.....Download through distribution network	14.3	..Programmable
12.27	.....Enable/disable (e.g., kill machine signal, etc.)	14.31	...Having fusible element
12.28	.....Programming a controller	14.4	..Logic crosspoint
12.29	.....Programming an appliance	14.5	..Bistable crosspoint
12.3	....Diverse delivery media (e.g., wired and wireless, etc.)	14.6	..Semiconductor crosspoint
12.31	....Wired	14.61	...Integrated circuit
12.32	.....Power line (PLC)	14.62	...Transistor
12.33	.....Modulation technique	14.63	....Field effect transistor
12.34	.....Noise reduction (e.g., filtering, etc.)	14.64	....Four or more electrode type
12.35	.....Zero crossing	14.65	....Plural transistors in element
12.36	.....Impedance matching (e.g., Y-match or delta match, etc.)	14.66	...Semiconductor diode
12.37	.....Bi-directional (e.g., with transceiver, etc.)	14.67	....Charge storage
12.38	.....With inductive coupling (e.g., transformer or torroid, etc.)	14.68	....Plural diodes at crosspoint
12.39	.....With coupling plug	14.69	...Switching element
12.4	....Data network	15.1	.Having electron beam device
12.5	....Radio	16.1	.System having rectifier
12.51	.....RFID	286.01	SYSTEMS
12.52	....Plural devices	286.02	.Network signaling
12.53	.....Diverse devices	286.03	..Speaking tube including circuit
12.54	....Indicator or display	286.04	.Manual alarm telegraph; e.g., other than signal box type
12.55	....Housing or casing	286.05	..Fire
13.1	.Phase responsive actuation	286.06	.Call station
13.2	.Frequency responsive actuation	286.07	..Hospital
13.21	..Programming	286.08	..Hotel
13.22	..Diverse delivery media (e.g., wired and wireless, etc.)	286.09	..Restaurant
13.23	..Power line (PLC)	286.11	.Annunciator
13.24	..Wireless link	286.12	..Drop annunciator
13.25	...Radio	286.13	.Mimic
13.26	....RFID	286.14	..Mapping
13.27	...Plural frequencies	287	.Signal box type (e.g., to call messenger, plural fire alarm boxes)
13.28	....Simultaneous	288	..Combined (e.g., alarm circuit over power line)
13.29	....Permutation	289	...With fire extinguisher (e.g., CO2)
13.3	....Corresponding to distinct functions	290	...Engine house apparatus controlling (e.g., releases horses, starts motor)
13.31	...Indicator or display	291	..Repeaters (e.g., from central to plural fire houses or to siren)
13.32	...Housing or casing	292	..Circuit maintenance (e.g., fault alarm, faulty circuit substitution)
13.33	..Plural frequencies		
13.34	...Simultaneous		

293	..Variable signal (e.g., police and fire, first and third alarm)	314	..Noncorrespondence alarm (e.g., if acknowledgement is incorrect)
294	...Dial selector for variable signal	315	.Selsyn type
295	..Noninterfering (prevents break-in by another box during transmission)	316	.Rebalancing at receiver
296	..Key obstruction type	317	..Automatic rebalancing
297	..With signal at box (e.g., preliminary signal to combat false alarms)	318	.Synchronous distributor at transmitter and receiver
298	..Answer back signal acknowledges transmitted signal	319	.Plural electromagnets or plural motors receiver
299	...Simultaneous (e.g., actuated by transmitted signal)	320	.Via fluid conduit (e.g., fire hose)
300	...Lamp at box (e.g., to call patrolman)	321	.Portable self-contained (e.g., movie usher's signalling flashlight)
301	..Portable box actuating key (e.g., key must be released by signal from central)	322	.Self-cancelling after fixed time
302	..Frangible guard or protector for key	323 R	.Game reporting
303	..Frangible element must be broken to send signal	323 B	..Bowling
304	..False alarm combating (e.g., detention devices)	326	.Plural (e.g., concurrent auxiliary) single indications (e.g., light flashes when bell rings)
305	..Local circuit to actuate box	327	..With sounder signal cut-off
306	..Watchman's local circuit	328	.Audible signals (e.g., bell rings softly first and then loudly)
307	..Transmitters	329	..Intermittent
308	..Controlled by door of signal box	330	.In and out indicators (e.g., doorbell button flashes "out" sign)
309	..With make and break wheel	331	.Periodic or flashing
309.16	.Timer control	332	.Signal light systems
309.2	..With nonelectrical indicator or exhibitor	333	.With specific power supply (e.g., power substitution)
309.3	..With diversely controlled indicator	425.1	REPEATER IN UNSPECIFIED TYPE COMMUNICATIONS LINE OR CHANNEL (E.G., RELAY STATION)
309.4	..Selectively or sequentially actuated indicators	425.2	.Power control
309.5	...With independent manual controller	407.1	TACTUAL INDICATION
309.6	..Circuit maker-breaker in series	407.2	.With input means (e.g., keyboard)
309.7	..Reminder device with built-in timer	815.4	VISUAL INDICATION
309.8	..Separate diverse device activated by timer	815.41	.False signal prevention (anti-sunlight)
309.9	..Separate diverse device deactivated by timer	815.42	.Having light piping
311.2	..Nonselective paging (e.g., public address system)	815.43	..With specified colors
313	..Answer back	815.44	.Seven-segment indicator
		815.45	.Using light emitting diodes
		815.46	.Audio responsive lamp
		815.47	.Switchboard or panel type (e.g., bullseye)
		815.48	..Pushbutton
		815.49	..Housing
		815.5	...Including optical means
		815.51	...Including spring

815.52	..With details of energizing circuit	815.92	...Gravity operated drop annunciator
815.53	..Lighted alphanumeric or character indicator matrix	384.1	AUDIBLE INDICATION
815.54	..Having optical means in viewing path	384.2	..Ultrasonic pest control
815.55	..Transparent or translucent indicator with means for blocking light	384.3	..Simulation
815.56	..Color	384.4	..Electronic siren (e.g., wail tone or yelp tone warning device)
815.57	..Having optical device	384.5	..With computer element
815.58	..Step by step positioner	384.6	..Piezoelectric
815.59	..Having resetting device	384.7	..Electronic
815.6	..Remote controller	384.71	..Timing
815.61	..Drum indicator	384.72	..Plural generators
815.62	..Electromagnetic actuator for indicator matrix	384.73	..With sound transducer details
815.63	..Binary indicator	385.1	..Explosive
815.64	..Electromagnetic rotator for indicator wheel	387.1	..Weatherproofing
815.65	..Multiple colors	388.1	..Diaphragm (e.g., horn or buzzer)
815.66	..By light signal	390.1	..Rotary actuator
815.67	...Plural	390.2	...Having spring
815.68	...With movable optical means	388.2	..Alternating current
815.69	..Diverse indications	388.3	..With auxiliary flexible membrane
815.7	..Having percussion type indication (e.g., electric bells, chimes)	388.4	..With resonance chamber
815.71	...Electromagnetic	388.5	..Armature support
815.72	..Having pneumatic type indication	388.6	...Having spring
815.73	..With lamp enclosed in transparent housing	388.7	..Interrupter
815.74	..Combined	388.8	...Having spring
815.75	..Light source modifier	391.1	..Housing or mounting
815.76	...Lens type	392.1	..Percussion-type sound producer (e.g., signal chimes or bells)
815.77	..Relatively movable light source	392.2	..Rotary actuator
815.78	..Pointer indicator	393.1	..Plural armatures
815.79	..Annunciator	393.2	..Battery operated
815.8	...Having electromagnetically releasable latch	393.3	..Pushbutton
815.81	..Grouped drop annunciators	393.4	..Including timer
815.82	..Support	392.3	..Volume control
815.83	..Movable	401.1	..Alternating current
815.84	..Semaphore	398.1	..Nonelectrical driving means (e.g., spring or weight)
815.85	..Self restoring type annunciator	398.2	...With electromagnetic control
815.86	..Rotary	398.3	....Including circuit breaker
815.87	...Rotor driven	392.4	..Tubular sound producer (e.g., signal chimes)
815.88	...Vane indicator	392.5	..Resonator (e.g., signal chimes)
815.89	..Circuit closing type	395.1	..Suspended (e.g., locomotive bell)
815.9	..By electromagnetically releasable latch	397.1	..Armature support
815.91	...Having restoring means	397.2	...Having spring
		397.3	..Interrupter
		397.4	...Having spring
		397.5	..Polarized
		396.1	..Housing or mounting
		404.1	..Pneumatic-type sound producer (e.g., whistle or siren)

404.2 ..Rotary actuator
 404.3 ..With valve
 999 **MISCELLANEOUS**

FOREIGN ART COLLECTIONS

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.

VEHICLE POSITION INDICATION (340/988)

FOR 400 .Map display (340/995)

LAND VEHICLE ALARM OR INDICATOR (340/425.5)

FOR 401 .Of burglary or unauthorized use (340/426)

CONDITION RESPONSIVE INDICATING SYSTEM (340/500)

.With particular coupling link (340/531)

FOR 402 ..Radio (340/539)

.Specific condition (340/540)
 ..Intrusion detection (340/541)

FOR 100 ...Door or window movement (340/545)

FOR 101 ..Article placement or removal (340/568)

FOR 102 ...Detectable device on protected article (340/572)

FOR 103 ..Human or animal (340/573)
 ..Condition of electrical apparatus (340/635)

FOR 403 ...Battery (340/636)

FOR 104 ..Position responsive (340/686)

FOR 105 .Specified indicator structure (340/691)

FOR 106 .Specified power supply or housing (340/693)

SELECTIVE (340/825)

FOR 203 .Channel selection (340/825.03)

FOR 326 ..Plural stage matrix system (e.g., path finding) (340/826)

FOR 327 ...Alternate routing (340/827)

FOR 204 ..Code or pulse responsive (340/825.04)

FOR 107 .Loop (340/825.05)

FOR 206 .Monitoring and control (e.g., supervisory) (340/825.06)

FOR 207 ..Having addressing (340/825.07)

FOR 208 ...Polling or roll call (340/825.08)

FOR 209 ..Quiescent (340/825.09)

FOR 210 ..Scanning (340/825.1)

FOR 211 ...Continuous (340/825.11)

FOR 212 ...Interrupted (340/825.12)

FOR 213 ...Automatic (340/825.13)

FOR 214 ..Synchronization (340/825.14)

FOR 215 ..Having storage or recording (340/825.15)

FOR 216 ..Fault condition (340/825.16)

FOR 217 ..Having indicator (340/825.17)

FOR 218 ..Relay (340/825.18)

FOR 110 .Intelligence comparison (340/825.3)

FOR 111 ..Authorization control (e.g., entry into an area) (340/825.31)

FOR 112 ...With alarm or indication of improper access (340/825.32)

FOR 113 ...Credit (340/825.33)

FOR 114 ..Authentication (e.g., identity) (340/825.34)

FOR 115 ..Commodity (e.g., vending) (340/825.35)

FOR 311 SYSTEM WITH RECEIVER SELECTION (455/31.1)

FOR 312 .Control of selectively responsive paging arrangement over telephone line (379/FOR 102)

FOR 321 .Receiver scans for address signal (455/32.1)

FOR 381 .Coded sequence (455/38.1)

FOR 382 ..Having actuation (e.g., turn on/off or alarm indication, etc.) (455/38.2)

FOR 383 ...Power control or battery saving (455/38.3)

FOR 384 ...Visual indication (455/38.4)

FOR 385 ...Tone sequence (455/38.5)

SELECTIVE (340/825)

.Having indication or alarm (e.g., location indication) (340/825.36)

FOR 244 ..Code responsive (e.g., paging) (340/825.44)

- FOR 245 ...Distress signal alarm (340/825.45)
- FOR 246 ...Vibratory (tactual) alarm (340/825.46)
- FOR 247 ...Group call (340/825.47)
- FOR 248 ...Tone code (340/825.48)
- FOR 108 .Interrogation response (340/825.54)
- FOR 109 ..Printout (e.g., logging) or display (340/825.55)
- FOR 279 .Matrix (340/825.79)
- FOR 280 ..Plural stage (340/825.8)
- FOR 281 ..Electroluminescent elements (340/825.81)
- FOR 282 ...Light-emitting diode (340/825.82)
- FOR 283 ..Programmable (340/825.83)
- FOR 284 ...Having fusible element (340/825.84)
- FOR 285 ..Semiconductor crosspoint (340/825.85)
- FOR 286 ...Integrated circuit (340/825.86)
- FOR 287 ...Logic (340/825.87)
- FOR 288 ...Bistable (340/825.88)
- FOR 289 ...Switching element (340/825.89)
- FOR 290 ...Transistor (340/825.9)
- FOR 291Field effect transistor (340/825.91)
- FOR 292Four or more electrodes (340/825.92)
- FOR 293Plural (340/825.93)
- FOR 294 ...Diode (340/825.94)
- FOR 295Charge storage (340/825.95)
- FOR 296Plural diodes at crosspoint (340/825.96)
- SYSTEMS (340/286.01)**
- FOR 404 .Timer controlled (340/309.15)
- FOR 301 .Paging (340/311.1)
- FOR 405 .Signal over power line (340/310.01)
- FOR 406 ..Modulation technique (340/310.02)
- FOR 407 ..Noise reduction (e.g., filtering) (340/310.03)
- FOR 408 ...Zero crossing (340/310.04)
- FOR 409 ..Impedance matching (e.g., Y-match or delta match) (340/310.05)
- FOR 410 ..Bidirectional (e.g., with transceiver) (340/310.06)
- FOR 411 ..With inductive coupling (e.g., transformer or torrid) (340/310.07)
- FOR 412 ..With coupling plug (340/310.08)
- SELECTIVE (340/825)**
- FOR 413 .Lockout or priority (programmed or variable) (340/825.5)
- FOR 414 ..Designated priority (340/825.51)
- FOR 415 **SELECTIVE (340/825)**
- FOR 416 .Spare channel (340/825.01)
- FOR 417 .Tree or cascade (340/825.02)
- FOR 418 .Communication or control for the handicapped (340/825.19)
- FOR 419 .Synchronizing (340/825.2)
- FOR 420 ..With addressing (340/825.21)
- FOR 421 .Program control (340/825.22)
- FOR 422 ..Machine tool (340/825.23)
- FOR 423 ..Of audio systems (340/825.24)
- FOR 424 .Audio system (e.g., by pulse signal) (340/825.25)
- FOR 425 .Stock quotation (340/825.26)
- FOR 426 ..With information storage (340/825.27)
- FOR 427 .Space allocation (e.g., vehicle seat, hotel reservation) (340/825.28)
- FOR 428 ..Remote terminal (340/825.29)
- FOR 429 .Having indication or alarm (e.g., location indication) (340/825.36)
- FOR 430 ..Additional to other selective control (340/825.37)
- FOR 431 ..Party line (340/825.38)
- FOR 432 ...Selection by means of frequency (340/825.39)
- FOR 433 ...Selector or indicator, per se (340/825.4)
- FOR 434 ...Step-by-step impulse (340/825.41)
- FOR 435Polarity controlled (340/825.42)
- FOR 436 ...Amplitude or polarity controlled (340/825.43)
- FOR 437 ..Location indication (340/825.49)
- FOR 438 .Addressing (340/825.52)
- FOR 439 ..Plural part (e.g., digit) or repetitions (340/825.53)
- FOR 440 .With multidigit encoder (340/825.56)
- FOR 441 .Pulse responsive actuation (340/825.57)
- FOR 442 ..Phase or frequency shift keying (340/825.58)
- FOR 443 ..Polarity (340/825.59)
- FOR 444 ..Pulse pairs (340/825.6)
- FOR 445 ..Having delay line (340/825.61)
- FOR 446 ..Serial (340/825.62)

- FOR 447 ...Pulse width (340/825.63)
- FOR 448 ...Pulse spacing (e.g., pulse repetition rate) (340/825.64)
- FOR 449 ...Counting (340/825.65)
- FOR 450Relay (340/825.66)
- FOR 451Counting chain (340/825.67)
- FOR 452 ...Shift register (340/825.68)
- FOR 453 ...Radio link (340/825.69)
- FOR 454 .Phase responsive actuation (340/825.7)
- FOR 455 .Frequency responsive actuation (340/825.71)
- FOR 456 ..Wireless link (340/825.72)
- FOR 457 ..Plural frequencies (340/825.73)
- FOR 458 ...Simultaneous (340/825.74)
- FOR 459 ...Permutation (340/825.75)
- FOR 460 ...Corresponding to distinct functions (340/825.76)
- FOR 461 .Amplitude responsive actuation (340/825.77)
- FOR 462 ..Divided resistor (340/825.78)
- FOR 463 .Having electron beam device (340/825.97)
- FOR 464 .System having rectifier (340/825.98)
- FOR 465 **REMOTE CONTROL OVER POWER LINE (340/310.11)**
- FOR 466 .Modulation technique (340/310.12)
- FOR 467 .Noise reduction (e.g., filtering) (340/310.13)
- FOR 468 ..Zero crossing (340/310.14)
- FOR 469 .Impedance matching (e.g., Y-match or delta match) (340/310.15)
- FOR 470 .Bi-directional (e.g., with transceiver) (340/310.16)
- FOR 471 .With inductive coupling (e.g., transformer or torroid) (340/310.17)
- FOR 472 .With coupling plug (340/310.18)