

1	PLURAL CHANNEL SYSTEMS	133	...Utilizing electromechanical transducer
1.1	.Nonreciprocal gyromagnetic type (e.g., circulators)	134	...Utilizing long line element
2	.With automatic control	135	...Including waveguide element
3	..Line substitution	136	..Including long line element
4	.With balanced circuits	137	...Using waveguide
5	..Plural balanced circuits	12	TRANSMISSION LINE INDUCTIVE OR RADIATION INTERFERENCE REDUCTION SYSTEMS
100	.Having branched circuits	13	RESONATOR-TYPE BREAKDOWN DISCHARGE SYSTEMS (E.G., T-R OR R-T SYSTEMS)
101	..Including switching means	14	AMPLITUDE COMPRESSION AND EXPANSION SYSTEMS (I.E., COMPANDERS)
102	..Having gyromagnetic operating means	15	PILOT LINE-CONTROLLED SYSTEMS
103	..Having semiconductor operating means	16	PILOT CURRENT-CONTROLLED SYSTEMS
104	...Using TEM lines	17.1	AUTOMATICALLY CONTROLLED SYSTEMS
105	...Having mechanical switching means	17.2	.Limiting of amplitude
106	...Using rotary switching means	17.3	.Impedance matching
107	....For TEM lines	18	.With control of equalizer and/or delay network
108	....For waveguide	19	DIFFERENTIATING OR INTEGRATING SYSTEMS
109	..Using directional coupler	20	WAVE-SHAPING
110	..For providing frequency separation	21 R	WAVE MODE CONVERTERS
111	..For providing adjustable coupling	21 A	.Polarization converters
112	..Having lumped parameters or impedances	22 R	DISSIPATING TERMINATIONS FOR LONG LINES
113	..Having parallel-guide waveguide	22 F	.Fluid-cooling
114	..Having crossed-guide waveguide	23	ARTIFICIAL LINES
115	..Having TEM lines	24 R	COUPLING NETWORKS
116	...Using stripline	24.1	.Nonreciprocal gyromagnetic type (e.g., directional phase shifters)
117	..Including hybrid-type network	24.2	..Nonreciprocal attenuators or isolators
118	..Having lumped parameters or impedances	24.3	..Nonreciprocal polarization rotators
119	...Using transformer coil	25	.Balanced to unbalanced circuits
120	..Having hybrid ring junction	26	..Having long line elements
121	..Having hybrid-T (e.g., magic-T)	27	.Interlinking long line
122	...Using waveguide	28 R	.Equalizers
123	..Having coaxial element	28 T	..Audio tone control
124	..With impedance matching	138	.Delay lines including a lumped parameter
125	..Including long line element	139	..Variable parameter
126	...For providing frequency separation	140	..Physical structure
127	...Using TEM lines	141	.Delay lines including elastic bulk wave propagation means
128	....Stripline	142	..Multipath propagation
129	..For providing frequency separation	143	...Spurious signal reduction
130	..Using resistors only	144	..Variable delay
131	..Using coupled windings		
132	..For providing frequency separation		

145	..Nonuniform propagation path	174	..With variable response
146	..Helical propagation path	175	..Resonant, discrete frequency selective type
147	..Propagation path has significant chemical or physical properties	176	...Including specific frequency rejection means
148	..Including magnetostrictive transducers	177	..Transformer coupled
149	..Significant transducer structure	178	...Including bandwidth adjusting, shaping, or stabilization means
150	..Delay lines including elastic surface wave propagation means	179	...With permeability tuning means
151	..Spurious signal or mode cancellation means	180	...With variable coupling means
152	..Variable delay	181	..Smoothing type (e.g., direct current power supply filters or decoupling filters)
153	..Including discontinuities within propagation means	182	...Feedthrough type
154	..Significant transmitting or receiving transducer structure	183	...Resiliently mounted components
155	..Temperature stabilization or compensation	184	..Monolithic structure
156	..Delay lines including long line elements	185	..Having significant physical structure
157	..Waveguide	186	..Electromechanical filter
158	...Including ferrite means	187	..Using bulk mode piezoelectric vibrator
159	...Having mechanically movable delay control means	188	...With means for varying response
160	..Coaxial line	189	...Plural coupled vibrators
161	..Planar line structure (e.g., stripline)	190	....Lattice structure
162	..Helical line structures and lines developed from a helical structure	191	....Monolithic structure
163	...Having plural concentric helices	192	.....With electrical coupling
164	..Control of delay with semiconductive means	193	..Using surface acoustic waves
32	..With impedance matching	194	...Including spurious signal prevention or reduction means
33	..Having long line elements	195	...With wave-modifying means (e.g., reflectors, resonators, diffractors, multistrip couplers, etc.)
34	...Tapered	196	...With response weighting means
35	...Quarter-wave transformer type	197	..Plural mechanically coupled bar, plate, or rod-type resonating means
165	..Frequency or time domain filters and delay lines utilizing charge transfer devices	198	...Plural interresonator coupling paths
166	..Time domain filters	199	...Plural mechanically coupled disk resonators
167	..Frequency domain filters utilizing only lumped parameters	200	..Reed- or fork-type resonators
168	..Including recurrent sections	201	..Magnetostrictive wave transmission path
169	..Wheatstone or lattice type	202	..Wave filters including long line elements
170	..Bridge type	203	..Digital structure
171	..With variable response	204	..Stripline or microstrip
172	..RC or RL type	205	...Tunable
173	..Synchronous filters	206	..Coaxial

207	...Tunable	247	..Semiconductor mounts
208	..Waveguide	248	.Waveguide elements and components
209	...Tunable	249	..Bend
210	...Including evanescent guide sections	250	..Active element mounting
211	...Including frequency selective absorbing means	251	..Mode suppressor
212	...Including directly coupled resonant sections	252	..Window
24 C	.Capacitive coupling	253	..Including variable impedance
213	NEGATIVE RESISTANCE OR REACTANCE NETWORKS OF THE ACTIVE TYPE	254	..Connectors and interconnections
214	.Simulating specific type of reactance	255	...Quick disconnect
215	..Using gyrator	256	...Movable
216	..Having negative impedance	257	....In line
217	..Providing negative resistance	258	..Switch
81 R	ATTENUATORS	259	..Mechanically movable
81 A	.Coaxial or microstrip	260	.Connectors and interconnections
81 B	.Waveguide type	261	..Rotary coupling
218	FREQUENCY MULTIPLIERS	262	.Switch
219	RESONATORS (DISTRIBUTED PARAMETER TYPE)	263	.Including variable impedance
219.1	.Dielectric type	99 R	MISCELLANEOUS
219.2	.Magnetic type	99 S	.Superconductive
220	.Open wire or Lecher line	99 PL	.Plasma
221	..With tuning	99 MP	.Multipactor applications
222	.Coaxial or shielded		
223	..With tuning		
224	...Having movable element		
225	....Using movable shorting means		
226	....Using plunger, rod, or piston		
227	.Cavity resonator		
228	..With mode suppressor		
229	..With temperature compensation		
230	..With coupling		
231	..With tuning		
232	...Having movable element		
233	....Using movable wall		
234	.Temperature compensated		
235	.With tuning		
236	LONG LINES		
237	.Leaky lines		
238	.Strip type		
239	.Waveguide type		
240	..Surface wave		
241	..Flexible		
242	..Circular or helical structure		
243	.Shielded type		
244	..Including spaced, electrically compensated, internal support means		
245	LONG LINE ELEMENTS AND COMPONENTS		
246	.Strip type		

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