1		59	.Loudspeaker operation
1	BINAURAL AND STEREOPHONIC	60	.Testing of hearing aids
2	.Broadcast or multiplex stereo	61	SOUND EFFECTS
3	FM final modulation	62	.Tremelo or vibrato effects
4	AM subcarrier	63	.Reverberators
5	Four discrete channels	64	Mechanical (e.g., reverberation
6	Having transmitter	04	chamber)
7	Switch-type detector or	65	Helical spring
	modulator	66	DEREVERBERATORS
8	Two diodes	67	
9	Four or more diodes	312	STETHOSCOPES, ELECTRICAL HEARING AIDS, ELECTRICAL
10	Channel separation control	312	-
11	Automatic switchover between		.Directional
	mono and stereo modes	314	.Programming interface circuitry
12	Stereo indicators (e.g.,	315	.Remote control, wireless, or
	stereo presence)	216	alarm
13	Antinoise	316	Frequency transposition
14	Having transmitter	317	.Noise compensation circuit
15	AM or both AM and angle final	318	Feedback suppression
	modulation	319	.With vacuum tube amplifier
16	Having transmitter	320	.Spectral control
17	.Pseudo stereophonic	321	.Wideband gain control
18	Pseudo quadrasonic	322	.Specified casing or housing
19	.Quadrasonic	323	Power supply or programming
20	Matrix		interface terminals
21	4-2-4	324	Component mounting
22	Variable decoder	325	Cerumen protection
23	With encoder	326	Non-air-conducted sound
23.1	.Hearing aid		delivery
300	.Stereo speaker arrangement	327	Spectacle
301	In furniture or clothing	328	Ear insert
302	In vehicle	329	Device for manipulation
303	Optimization	330	Hook over ear
304	Enclosure orientation	331	Inductive pickup
305	Enclosure adaptation	70	ARTIFICIAL LARYNX, ELECTRICAL
306	With image presentation means	71.1	ACOUSTICAL NOISE OR SOUND
307	Surround (i.e., front plus rear		CANCELLATION
507	or side)	71.2	.Acoustic, nonairborne vibration
308	In single baffle		sensing or counterwave
309	Stereo earphone		emission
310	Virtual positioning	71.3	.From appliance
311	Wireless or for use in diverse	71.4	.Within cabin or compartment of
26	.Stereo sound pickup device		vehicle
20	(microphone)	71.5	.Within duct
27	.Center channel	71.6	.Adjacent ear
28	.Amplifier	71.7	.Particular transducer or
54	HELIUM SPEECH		enclosure structure
55	AUDIO TRANSDUCER PROTECTION	71.8	.Counterwave generation control
33	CIRCUITRY		path
56	MONITORING OF SOUND	71.9	Nonacoustically derived
57	.Amplification control responsive		reference signal
<i>J</i> (to ambient sound	71.11	Adaptive filter topology
58	MONITORING/MEASURING OF AUDIO	71.12	Algorithm or formula (e.g.,
50	DEVICES		LMS, Filtered-X, etc.)
	DE ATCES		

E1 10		100	
71.13	Analog or nonadaptive	100	With active device
71.14	Tonal noise or particular	101	.Automatic tone control
	frequency or band	102	With amplitude control
72	HEARING PROTECTORS, ELECTRICAL	103	.Having automatic equalizer
73.1	SOUND OR NOISE MASKING		circuit
74	HEADPHONE CIRCUITS	104	INCLUDING AMPLITUDE OR VOLUME
75	MEGAPHONES		CONTROL
76	LECTERNS	105	.Remote
77	ONE-WAY AUDIO SIGNAL PROGRAM	106	.With amplitude compression/
	DISTRIBUTION		expansion
78	.Drive-in	107	.Automatic
79	.Near field	108	Including feedback
80	.Multiple channel	109	.With manual volume control
81	With switching	110	VOICE CONTROLLED
82	.Public address system	111	CIRCUITRY COMBINED WITH SPECIFIC
83	Feedback suppression		TYPE MICROPHONE OR LOUDSPEAKER
84	Spare amplifier substitution	112	.With carbon microphone
85	Speaker or channel switching	113	.With electrostatic microphone
86	VEHICLE	114	.With piezoelectric microphone
87	HAVING NON-ELECTRICAL FEATURE	115	.With magnetic microphone
07	(E.G., MOUNTING)	116	.With electrostatic loudspeaker
89	.Loudspeakers driven in given	117	.With magnetic loudspeaker
09	phase relationship	118	WITH MUSICAL INSTRUMENT
332		119	WITH MUSICAL INSTRUMENT WITH MIXER
332	.And loudspeaker	120	
333	With furniture, clothing, or	121	WITH AMPLIFIER
334	<pre>image presentation meansPortable or for use in diverse</pre>	121	.Feedback
551			HAVING MICROPHONE
	environment	123	SWITCHING
335	environmentPlural diaphragms,	123 150	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER
335	<pre>environmentPlural diaphragms, compartments, or housings</pre>	123	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer
335 336	<pre>environmentPlural diaphragms, compartments, or housingsCurved or angled housing</pre>	123 150	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction
335 336 91	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone	123 150 151	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone)
335 336	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR	123 150	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure
335 336 91 92	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES	123 150 151	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board)
335 336 91 92	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION	123 150 151	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure
335 336 91 92	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION	123 150 151	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure
335 336 91 92	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION	123 150 151	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure .With tubular waveguide or
335 336 91 92 93 94.1 94.2 94.3	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands	123 150 151 152 337 338	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure .With tubular waveguide or resonant element
335 336 91 92 93 94.1 94.2	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustment	123 150 151 152	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure .With tubular waveguide or
335 336 91 92 93 94.1 94.2 94.3	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands	123 150 151 152 337 338	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure .With tubular waveguide or resonant element
335 336 91 92 93 94.1 94.2 94.3 94.4	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation	123 150 151 152 337 338	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure With tubular waveguide or resonant element Sound intensifying or spreading
335 336 91 92 93 94.1 94.2 94.3 94.4	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise	123 150 151 152 337 338 339	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure With tubular waveguide or resonant element Sound intensifying or spreading element
335 336 91 92 93 94.1 94.2 94.3 94.3	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating	123 150 151 152 337 338 339 340	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure With tubular waveguide or resonant element Sound intensifying or spreading element Horn
335 336 91 92 93 94.1 94.2 94.3 94.4 94.5	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop	123 150 151 152 337 338 339 340 341	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure .With tubular waveguide or resonant element Sound intensifying or spreading element Horn Inverted, folded, or curled
335 336 91 92 93 94.1 94.2 94.3 94.4 94.5	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise	123 150 151 152 337 338 339 340 341 342	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure .With tubular waveguide or resonant elementSound intensifying or spreading elementHornInverted, folded, or curledPlural horns or diaphragms
335 336 91 92 93 94.1 94.2 94.3 94.4 94.5 94.6 94.7	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel	123 150 151 152 337 338 339 340 341 342 343	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure .With tubular waveguide or resonant element .Sound intensifying or spreading element Horn Inverted, folded, or curled Plural horns or diaphragms Phase plug
335 336 91 92 93 94.1 94.2 94.3 94.4 94.5 94.6 94.7	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel .Peak limiting or pulsive noise compensation	123 150 151 152 337 338 339 340 341 342 343 344	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure .With tubular waveguide or resonant element Sound intensifying or spreading element Horn Inverted, folded, or curled Plural horns or diaphragms Phase plug Mouthpiece
335 336 91 92 93 94.1 94.2 94.3 94.4 94.5 94.6 94.7	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel .Peak limiting or pulsive noise compensation .Feedforward circuitry for	123 150 151 152 337 338 339 340 341 342 343 344 345	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure With tubular waveguide or resonant element Sound intensifying or spreading element Horn Inverted, folded, or curled Plural horns or diaphragms Phase plug Mouthpiece Acoustic enclosure Acoustic resistance
335 336 91 92 93 94.1 94.2 94.3 94.4 94.5 94.6 94.7	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel .Peak limiting or pulsive noise compensation .Feedforward circuitry for transducer compensation	123 150 151 152 337 338 339 340 341 342 343 344 345 346 347	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure With tubular waveguide or resonant element Sound intensifying or spreading element Horn Inverted, folded, or curled Plural horns or diaphragms Phase plug Mouthpiece Acoustic enclosure Acoustic resistance On front side of diaphragm
335 336 91 92 93 94.1 94.2 94.3 94.4 94.5 94.6 94.7 94.8 94.9	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel .Peak limiting or pulsive noise compensation .Feedforward circuitry for transducer compensation MICROPHONE FEEDBACK	123 150 151 152 337 338 339 340 341 342 343 344 345 346 347 348	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure With tubular waveguide or resonant element Sound intensifying or spreading element Horn Inverted, folded, or curled Plural horns or diaphragms Phase plug Mouthpiece Acoustic enclosure Acoustic resistance On front side of diaphragm On rear side of diaphragm
335 336 91 92 93 94.1 94.2 94.3 94.4 94.5 94.6 94.7 94.8 94.9	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel .Peak limiting or pulsive noise compensation .Feedforward circuitry for transducer compensation MICROPHONE FEEDBACK LOUDSPEAKER FEEDBACK	123 150 151 152 337 338 339 340 341 342 343 344 345 346 347 348 349	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure .With tubular waveguide or resonant element .Sound intensifying or spreading element Horn Inverted, folded, or curled Plural horns or diaphragms Phase plug Mouthpiece .Acoustic enclosure Acoustic resistance On front side of diaphragm On rear side of diaphragm On rear side of diaphragm
335 336 91 92 93 94.1 94.2 94.3 94.4 94.5 94.6 94.7 94.8 94.9	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel .Peak limiting or pulsive noise compensation .Feedforward circuitry for transducer compensation MICROPHONE FEEDBACK LOUDSPEAKER FEEDBACK INCLUDING PHASE CONTROL	123 150 151 152 337 338 339 340 341 342 343 344 345 346 347 348 349 350	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure .With tubular waveguide or resonant element Sound intensifying or spreading element Horn Inverted, folded, or curled Plural horns or diaphragms Phase plug Mouthpiece Acoustic enclosure Acoustic resistance On front side of diaphragm On rear side of diaphragm Bass reflex (e.g., rear wave) Front wave
335 336 91 92 93 94.1 94.2 94.3 94.4 94.5 94.6 94.7 94.8 94.9	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel .Peak limiting or pulsive noise compensation .Feedforward circuitry for transducer compensation MICROPHONE FEEDBACK LOUDSPEAKER FEEDBACK	123 150 151 152 337 338 339 340 341 342 343 344 345 346 347 348 349	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone) .Driven diverse static structure (e.g., wall, sounding board) .Having acoustic wave modifying structure .With tubular waveguide or resonant element .Sound intensifying or spreading element Horn Inverted, folded, or curled Plural horns or diaphragms Phase plug Mouthpiece .Acoustic enclosure Acoustic resistance On front side of diaphragm On rear side of diaphragm On rear side of diaphragm

352	Having internal wave	372	Having mechanical or acoustic
252	reflecting means	252	sound attenuation
353	Acoustic damping or	373	Openable to ambient
254	attenuating resonator	374	Particular support structure
354	Absorbing or attenuating	375	And microphone
1.60	element	376	Headgear
160	Reflecting element	377	Plural bands
161	.With mechanical amplifier	378	Single band
160	arrangement	379	adjustable
162	.Detail of mechanical vibration	380	Ear insert or bone conduction
	coupling to transducer (e.g.,	381	Hook over ear or spectacle
162	tuned vibrating element)	382	Sound conducting tube
163	.Having bi-directional transducer	383	Collapsible
164	.Thermal response to, or	384	Electrical hardware feature
	generation of, sound vibration	184	Different types of diaphragms
165	.By modifying fluid flow	185	Having common voice coil
166	.Having a fluid as a conducting	186	Plural diaphragms
	element	385	.Having body supported structure
167	Ionized gap, spark, or flame		other than on head
355	.Housed microphone	386	.Mounting or support feature of
356	Directional		housed loudspeaker
357	With plural sound ports (e.g.,	387	Directional, directible, or
	pressure gradient)		movable
358	Plural or variable	388	With furniture, clothing, or
	characteristics		image display
359	Windscreen	389	In vehicle
360	Cavity	390	Boom or support arm
361	Mounting or support	391	Grille
362	Boom (other than on headset)	392	Resilient
363	Stand or gooseneck	393	electrical insulation feature
364	On body or clothing	394	Electrical hardware
365	In electronic apparatus or	395	Mechanical detail
	vehicle	189	.Having protective or sheilding
366	Detachable from support		feature
367	In headgear	190	.Electrostrictive,
368	On shock absorbing support		magnetostrictive, or
369	.Microphone capsule only		piezoelectric
170	Compound	191	.Having electrostatic element
171	Micromagnetic		(e.g., electret, vibrating
172	Light modifying		plate)
173	Piezoelectric or ferroelectric	396	.Electromagnetic (e.g., dyynamic)
174	Capacitive	397	Cooling feature
175	Semiconductor junction	398	Having diaphragm support
175	microphone	370	feature
176	Conductive diaphragm (e.g.,	399	Conductive diaphragm (e.g.,
170	reed, ribbon)	3,7,7	ribbon)
177	Dynamic (e.g., magnetic)	400	Movable voice coil
178	Vibrating electrical contract	401	Multiple voice coils
179	Resistive	401	For different frequencies
180	Granular or carbon	402	For different frequenciesCentering from outside bobbin
181	Differential	403	_
		101	or diaphragm
182	.Plural or compound reproducers	404	Spider
370	Headphone	405	Centering from within bobbin
371	Particular cup		or diaphragm

406	Field coil	FOR	101	.With content reduction encoding
407	Particular bobbin structure			(381/30)
408	Pattern	FOR	102	.Delay line (381/33)
409	Wiring structure	FOR	103	TIME COMPRESSION OR EXPANSION
410	Coil coating, winding layer			(E.G., RUN LENGTH CODING)
	structure, or wire			(381/34)
411	Including adjustment mechanism	FOR	104	.With content reduction encoding
412	Magnetic circuit			(381/35)
413	Having damping	FOR	105	SPEECH ANALYSIS AND SYNTHESIS
414	Flux modifying means			COMBINED (381/36)
415	Magnetic liquid			.Using frequency (381/37)
416	Inverted (e.g., within cone)	FOR	107	Pitch (381/38)
417	Armature diaphragm			Formants (381/39)
418	Armature linked to diaphragm	FOR	109	.Using time (381/40)
419	Not having central magnetic	FOR	110	SPEECH ANALYSIS (E.G., PHONEME
	portion			RECOGNITION) (381/41)
420	Having central magnetic	FOR	111	.Voice recognition (381/42)
	portion	FOR	112	.Word recognition (381/43)
421	Plural magnets	FOR	113	Phonetic typewriters (381/44)
422	Like poles adjacent	FOR	114	Frequency domain (381/45)
423	Specified diaphragm shape or	FOR	115	.Detection of speech in noise
	structure			(381/46)
424	Plural portions or sections	FOR	116	.Signal to noise ratio
425	Honeycomb			enhancement (381/47)
426	Critically defined material or	FOR	117	.Speech parameter display (381/
400	lamination	EOD	110	48)
427	Metal	FOR	110	Speech pitch fundamental
428	Fibrous	₽∩D	110	frequency (381/49) .Speech formant frequencies (381/
429	Apertures in surface	FOR	119	50)
430	Dome or round	FOP	120	SPEECH SYNTHESIS (381/51)
431	Flat			.Speech from printed matter (381/
432 433	Conical Basket detail	FOR	121	52)
124	MISCELLANEOUS	FOR	122	.Vocal tract model (381/53)
121	MISCHIMATIOOS	FOR	123	ACOUSTICAL NOISE OR SOUND
				CANCELLATION (381/71)
		FOR	124	NOISE SUPPRESSION (381/94)
FODETC	N ART COLLECTIONS			BINAURAL AND STEREOPHONIC
FOREIG	N ART COLLECTIONS	FOR	125	.Speaker arrangement (381/24)
FOR 000 CLASS-RELATED FOREIGN DOCUMENTS		FOR	126	Earphone (381/25)
				HEARING AIDS, ELECTRICAL (381/68)
Any foreign patents or non-patent litera-		FOR	128	.Directional (381/68.1)
ture from subclasses that have been		FOR	129	.Frequency control (381/68.2)
reclassified have been transferred		FOR	130	.Bone conduction (381/68.4)
directly to FOR Collections listed below.		FOR	131	.Gain Control (381/68.3)
These Collections contain ONLY foreign		FOR	132	.Spectacle (381/68.5)

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 AUDIO BANDWIDTH COMPRESSION OR **EXPANSION** (381/29)

FOR 136 .. Having vacuum tube amplifier (381/69.1)

FOR 137 ... Having battery (381/69.2)

FOR 133 .Ear insert (381/68.6)

(381/69)

FOR 134 .Hook over ear (381/68.7)

FOR 135 .Specified casing or housing

- FOR 138 .Having enclosure or housing (381/138)
- FOR 140 .With acoustic wave modifying structure (381/153)
- FOR 141 ..Including sound conducting tube (381/154)
- FOR 142 ..Directional (381/155)
- FOR 143 ..Sound intensifying or spreading element (381/156)
- FOR 144 ... Mouthpiece (381/157)
- FOR 145 .. Absorbing or attenuating element (e.g., baffle, obstruction, damping) (381/158)
- FOR 146 ..Enclosure or resonant cavity (381/159)
- FOR 147 .Microphone (381/168)
- FOR 148 ..With mounting or support feature (381/169)
- FOR 149 .. Headphone (381/183)
- FOR 150 .Having body supported structure (e.g., earphone) (381/187)
- FOR 151 .With mounting or support feature (381/188)
- FOR 152 .Electromagnetic (e.g., dynamic) (381/192)
- FOR 153 ..Having feature of edgesupported diaphragm (381/193)
- FOR 154 .. Movable voice coil (381/194)
- FOR 155 ...Multiple (e.g., double) (381/ 195)
- FOR 156 ... Pattern (381/196)
- FOR 157 ... Centering (381/197)
- FOR 158 .. Including adjustment mechanism (381/198)
- FOR 159 ..Magnetic circuit or core structure (381/199)
- FOR 160 ... Armature (381/200)
- FOR 161 ...Magnetic configuration (e.g., tubular or U-shaped) (381/201)
- FOR 162 .. Specified diaphragm shape or structure (381/202)
- FOR 163 ...Flat (381/203)
- FOR 164 ... Conical (381/204)
- FOR 165 .Electro-acoustical transducer mounting or support (381/205)