1	BINAURAL AND STEREOPHONIC	59	.Loudspeaker operation
2		60	.Testing of hearing aids
3	.Broadcast or multiplex stereoFM final modulation	61	SOUND EFFECTS
4	AM subcarrier	62	.Tremelo or vibrato effects
5	Four discrete channels	63	Reverberators
6	Having transmitter	64	Mechanical (e.g., reverberation
7	3	-	chamber)
/	Switch-type detector or	65	Helical spring
0	modulator Two diodes	66	DEREVERBERATORS
8		67	STETHOSCOPES, ELECTRICAL
9	Four or more diodes	312	HEARING AIDS, ELECTRICAL
10	Channel separation control	313	.Directional
11	Automatic switchover between	314	.Programming interface circuitry
10	mono and stereo modes	315	Remote control, wireless, or
12	Stereo indicators (e.g.,	313	alarm
13	stereo presence)	316	Frequency transposition
_	Antinoise	317	.Noise compensation circuit
14	Having transmitter	318	Feedback suppression
15	AM or both AM and angle final	319	.With vacuum tube amplifier
1.6	modulation	320	.Spectral control
16	Having transmitter	321	.Wideband gain control
17	.Pseudo stereophonic	322	.Specified casing or housing
18	Pseudo quadrasonic	323	Power supply or programming
19	.Quadrasonic	323	interface terminals
20	Matrix	324	Component mounting
21	4-2-4	325	Cerumen protection
22	Variable decoder	326	Non-air-conducted sound
23	With encoder	520	delivery
23.1	.Hearing aid	327	Spectacle
300	.Stereo speaker arrangement	327	Ear insert
301	In furniture or clothing	329	Device for manipulation
302	In vehicle	330	Hook over ear
303	Optimization	331	Inductive pickup
304	Enclosure orientation	70	ARTIFICIAL LARYNX, ELECTRICAL
305	Enclosure adaptation	71.1	ACOUSTICAL NOISE OR SOUND
306	With image presentation means	/ 1 • 1	CANCELLATION
307	Surround (i.e., front plus rear	71.2	.Acoustic, nonairborne vibration
	or side)	71.2	sensing or counterwave
308	In single baffle		emission
309	Stereo earphone	71.3	From appliance
310	Virtual positioning	71.4	.Within cabin or compartment of
311	Wireless or for use in diverse	71.4	vehicle
26	.Stereo sound pickup device	71.5	.Within duct
0.7	(microphone)	71.6	.Adjacent ear
27	.Center channel	71.7	.Particular transducer or
28	.Amplifier	, ± • ,	enclosure structure
54	HELIUM SPEECH	71.8	.Counterwave generation control
55	AUDIO TRANSDUCER PROTECTION	7 = • 0	path
F.C	CIRCUITRY	71.9	Nonacoustically derived
56	MONITORING OF SOUND		reference signal
57	.Amplification control responsive	71.11	Adaptive filter topology
F.0	to ambient sound	71.12	Algorithm or formula (e.g.,
58	MONITORING/MEASURING OF AUDIO	, _ •	LMS, Filtered-X, etc.)
	DEVICES		,,,

71 12	3	100	
71.13	Analog or nonadaptive	100	With active device
71.14	Tonal noise or particular	101	.Automatic tone control
70	frequency or band	102	With amplitude control
72	HEARING PROTECTORS, ELECTRICAL	103	.Having automatic equalizer
73.1	SOUND OR NOISE MASKING	101	circuit
74	HEADPHONE CIRCUITS	104	INCLUDING AMPLITUDE OR VOLUME
75	MEGAPHONES	4.0.5	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
	(E.G., MOUNTING)	116	.With electrostatic loudspeaker
89	.Loudspeakers driven in given	117	.With magnetic loudspeaker
	phase relationship	118	WITH MUSICAL INSTRUMENT
332	.And loudspeaker	119	WITH MIXER
333	With furniture, clothing, or	120	WITH AMPLIFIER
	image presentation means	121	.Feedback
334	Portable or for use in diverse	122	HAVING MICROPHONE
J J 4	or capie or for abe in arverbe		HAVING MICKOFHOME
334	environment	123	SWITCHING
335			
	environment	123	SWITCHING
	environmentPlural diaphragms,	123 150	SWITCHING ELECTRO-ACOUSTIC AUDIO TRANSDUCER
335	environmentPlural diaphragms, compartments, or housings	123 150	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 91	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR	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	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 93	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
335 336 91 92 93 94.1	environmentPlural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustment	123 150 151 152 337	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 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 adjustmentIn multiple frequency bands	123 150 151 152 337	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 structureWith 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 .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 structureWith 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	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 structureWith tubular waveguide or resonant elementSound 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 gating	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 structureWith tubular waveguide or resonant elementSound 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	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 structureWith tubular waveguide or resonant elementSound intensifying or spreading elementHornInverted, 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	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 curledPlural horns or diaphragms
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 channel	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 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	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	123 150 151 152 337 338 339 340 341 342 343 344	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 curledPlural horns or diaphragms
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 channel .Peak limiting or pulsive noise compensation	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 curledPlural horns or diaphragmsPhase plugMouthpiece
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	123 150 151 152 337 338 339 340 341 342 343 344 345 346	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 94.8	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 structureWith tubular waveguide or resonant elementSound intensifying or spreading elementHornInverted, folded, or curledPlural horns or diaphragmsPhase plugMouthpieceAcoustic enclosureAcoustic resistanceOn 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 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 curledPlural horns or diaphragmsPhase plugMouthpieceAcoustic enclosureAcoustic resistanceOn front side of diaphragmOn rear side of diaphragmBass reflex (e.g., rear 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 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 curledPlural horns or diaphragmsPhase plugMouthpieceAcoustic enclosureAcoustic resistanceOn front side of diaphragmOn rear side of diaphragmBass reflex (e.g., rear wave)

352	Having internal wave	372	Having mechanical or acoustic
353	reflecting means	373	sound attenuation
333	Acoustic damping or attenuating resonator	373 374	Openable to ambient
354	Absorbing or attenuating	374	Particular support structure
334	element	376	And microphone
160	Reflecting element		Headgear
161	9	377	Plural bands
101	.With mechanical amplifier	378	Single band
1.00	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
1.60	tuned vibrating element)	382	Sound conducting tube
163	.Having bi-directional transducer	383	Collapsible
164	.Thermal response to, or	384	Electrical hardware feature
4.65	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	105	feature
367	In headgear	190	.Electrostrictive,
368	On shock absorbing support	100	magnetostrictive, or
369	.Microphone capsule only		piezoelectric
170	Compound	191	.Having electrostatic element
171	Micromagnetic	1)1	(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
173	microphone	390	feature
176	<pre>Conductive diaphragm (e.g., reed, ribbon)</pre>	399	<pre>Conductive diaphragm (e.g., ribbon)</pre>
177	Dynamic (e.g., magnetic)	400	Movable voice coil
178	Vibrating electrical contract	401	Multiple voice coils
179	Resistive	402	For different frequencies
180	Granular or carbon	403	Centering from outside bobbin
181	Differential		or diaphragm
182	.Plural or compound reproducers	404	Spider
370	Headphone	405	Centering from within bobbin
371	Particular cup	-	or diaphragm
	E		- ~

406	Field coil	FOR	100	AUDIO BANDWIDTH COMPRESSION OR
407	Particular bobbin structure		101	EXPANSION (381/29)
408	Pattern	FOR	TOT	.With content reduction encoding
409	Wiring structure		100	(381/30)
410	Coil coating, winding layer			.Delay line (381/33)
4.4.4	structure, or wire	FOR	T03	TIME COMPRESSION OR EXPANSION
411	Including adjustment mechanism			(E.G., RUN LENGTH CODING)
412	Magnetic circuit	TO D	101	(381/34)
413	Having damping	FOR	104	.With content reduction encoding
414	Flux modifying means	HOD	105	(381/35)
415	Magnetic liquid	FOR	105	SPEECH ANALYSIS AND SYNTHESIS
416	Inverted (e.g., within cone)	HOD	100	COMBINED (381/36)
417	Armature diaphragm			.Using frequency (381/37)
418	Armature linked to diaphragm			Pitch (381/38)
419	Not having central magnetic			Formants (381/39)
	portion			.Using time (381/40)
420	Having central magnetic	FOR	110	SPEECH ANALYSIS (E.G., PHONEME
	portion			RECOGNITION) (381/41)
421	Plural magnets			.Voice recognition (381/42)
422	Like poles adjacent			.Word recognition (381/43)
423	Specified diaphragm shape or			Phonetic typewriters (381/44)
	structure			Frequency domain (381/45)
424	Plural portions or sections	FOR	115	.Detection of speech in noise
425	Honeycomb			(381/46)
426	Critically defined material or	FOR	116	.Signal to noise ratio
	lamination			enhancement (381/47)
427	Metal	FOR	117	.Speech parameter display (381/
428	Fibrous			48)
429	Apertures in surface	FOR	118	.Speech pitch fundamental
430	Dome or round			frequency (381/49)
431	Flat	FOR	119	.Speech formant frequencies (381/
432	Conical			50)
433	Basket detail	FOR	120	SPEECH SYNTHESIS (381/51)
124	MISCELLANEOUS	FOR	121	.Speech from printed matter (381/52)
		FOR	122	.Vocal tract model (381/53)
		FOR	123	ACOUSTICAL NOISE OR SOUND
FORETCM	ART COLLECTIONS			CANCELLATION (381/71)
- Orange	THAT COUNTY I CAND	FOR	124	NOISE SUPPRESSION (381/94)

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.

BINAURAL AND STEREOPHONIC

- FOR 125 .Speaker arrangement (381/24)
- FOR 126 .. Earphone (381/25)
- FOR 127 HEARING AIDS, ELECTRICAL (381/68)
- FOR 128 .Directional (381/68.1)
- FOR 129 .Frequency control (381/68.2)
- FOR 130 .Bone conduction (381/68.4)
- FOR 131 .Gain Control (381/68.3)
- FOR 132 .Spectacle (381/68.5)
- FOR 133 .Ear insert (381/68.6)

(381/69)

- FOR 134 .Hook over ear (381/68.7)
- FOR 135 .Specified casing or housing
- FOR 136 .. Having vacuum tube amplifier (381/69.1)

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