

1	INSTRUMENTS	639	...Photoelectric
600	.Electrical musical tone generation	640	....Variable speed
601	..Data storage	641	...Magnetic
602	...Digital memory circuit (e.g., RAM, ROM, etc.)	642	....Tape
603	....Sampling (e.g., with A/D conversion)	643	...Capacitive
604	....Waveform memory	644	...Constructional details
605	.....Read out at different rates	645	..MIDI (musical instrument digital interface)
606	.....Read out at fixed rate	646	..Fret control
607	.....Recursive algorithm	647	..Digital combinational circuit
608	....Fourier coefficient memory	648	...With frequency multiplication or division
609	....Note sequence	649	...Note sequence
610	.....Accompaniment	650	...Accompaniment (e.g., chords, etc.)
611	.....Rhythm	651	.....Rhythm
612	.....Tempo control	652	.....Tempo control
613	.....Chords	653	...Selecting circuits
614	.....Reiteration	654	...Fundamental tone detection or extraction
615	....Selecting circuits	655	...Multiplexing or scanning
616	....Fundamental tone detection or extraction	656	...Priority or preference circuits
617	....Multiplexing or scanning	657	...Transposition
618	....Priority or preference circuits	658	...Force or velocity responsive
619	....Transposition	659	...Tone synthesis or timbre control
620	....Stops	660	...Mixing
621	...Noise reduction (e.g., error prevention, etc.)	661	...Filtering
622	...Tone synthesis or timbre control	662	...Expression or special effects
623	....Time varying or dynamic Fourier components	663	...Envelope shaping (i.e., attack, decay, sustain, or release)
624	....Modulation	664	...Chorus, ensemble, or celeste
625	....Mixing	665	...Loudness control
626	...Expression or special effects (e.g., force or velocity responsive, etc.)	666	...Accompaniment
627	....Envelope shaping (i.e., attack, decay, sustain, or release)	667	...Rhythm
628	....Portamento or glissando	668	.....Tempo control
629	....Vibrato or tremolo	669	...Chords
630	....Reverberation	670	...Constructional details
631	....Chorus, ensemble, or celeste	671	..Electric analog oscillators
632	....Chiff or percussive transients	672	...Variable frequency
633	....Loudness control	673	...With variable filtering
634	...Accompaniment	674	...With space discharging means
635	.....Rhythm	675	...With frequency multiplication or division
636	.....Tempo control	676	...With transistor
637	.....Chords	677	...With space discharging means
638	.....Arpeggio	678	...Selecting circuits
		679	...With transistor
		680	...With space discharging means
		681	...Fundamental tone detection or extraction

682	....Multiplexing or scanning	725	...Electromagnetic
683	....Noise reduction (e.g., error prevention, etc.)	726	....String
684	....Priority or preference circuits	727	.....With adjustable means
685	....Transposition	728	....Noise reduction (e.g., error prevention, etc.)
686	....Stops	729	....Reed
687	....Force or velocity responsive	730	...Piezoelectric
688	.....With magnetic selector	731	....String
689	.....With capacitive selector	732	....Reed
690	.....With variable resistance selector	733	...Capacitive
691	...Noise reduction (e.g., error prevention, etc.)	734	...Strain gauge
692	...Tone synthesis or timbre control	735	...Tone synthesis or timbre control
693	....Time varying or dynamic Fourier components	736	....Filtering
694	....Modulation	737	...Expression or special effects
695	.....Amplitude	738	....Envelope shaping (e.g., attack, decay, sustain, or release, etc.)
696	.....Angle (i.e., frequency or phase)	739	....Tremolo
697	....Mixing	740	....Vibrato
698	.....Partials (i.e., harmonics)	741	...Loudness control
699	....Filtering	742	...Selecting circuits
700	.....Variable	743	...Constructional details
701	...Expression or special effects	744	....Keyboard
702	....Envelope shaping (e.g., attack, decay, sustain, or release, etc.)	745	....Keyswitch structure
703	.....Attack and decay	746	....Foot control
704	....Portamento or glissando		..Automatic
705	....Tremolo	2	..Combined
706	....Vibrato	3	..Electric
707	....Reverberation	4	...With phonograph
708	....Chorus, ensemble, or celeste	5	....Electrical connections
709	....Trill	6	...Pneumatic
710	....Chiff or percussive transients	7	..Stringed
711	....Loudness control	8	...With picking devices
712	...Accompaniment	9	....Electric
713	....Rhythm	10	...With bowing devices
714	.....Tempo control	11	....Electric
715	....Chords	12	...With striking devices
716	....Arpeggio	13	...Pianos
717	....Reiteration	14	....Without keys
718	...Constructional details	15	.....Half width
719	....Keyboard	16	....Constant power
720	....Keyswitch structure	17	.....Electric control
721	....Foot control	18	.....Key actuators
722	...Fret control	19	....Electric power
723	..Transducers	20	....Key actuators
724	...Photoelectric	21	.....With expression
		22	.....By voltage change
		23	....With expression
		24	....Pneumatic type
		25	.....Key actuators
		26	.....Grands
		27	.....Connections to piano action

28	.....Action above keyboard	76	.....Operating together
29	.....Action below keyboard	77	.....Door-carried pedal
30	.....Location of parts	78	.....Upper panel moved
31	.....With double tracker	79	.....Distribution
32	.....Double length		....Cases
33	.....Expression mechanism	80	.....Key slips
34	.....Parts of piano moved	81	.....Upper panel
35	.....Rest rail shifted	82	.....Lower panel
36	.....Normally in short stroke position	83	..Wind
37	.....Position controlled from reservoir	84	...Organs
38	.....Graduated shift	85	....Stop actions
39	.....Wind pressure varied	86	....Cylinder
40	.....By pumping	87	....Disk
41	.....By throttling	88	....Electropneumatic action
42	.....By regulating chamber	89	....Pneumatic action
43	.....By use of two pressures	90	.....With keys
44	.....Two cooperating pneumatics to each note	91	.....Pipe organ
45	.....Two opposing pneumatics to each note	92	...Organettes
46	.....Transmission varied	93	...Mouth blown
47	.....Systematic variations	94.1	..Combs
48	.....Pneumatic details	94.2	...Combined
49	.....Hand controllers	95.1	...Cylinder type
50	.....Pneumatic construction	95.2	....Combined
51	.....Both primaries and secondaries	96	....Cylinder construction
52	.....Lower leaf moved	97	...Disk type
53	.....Lower leaf moved	98	...With star wheels
54	.....Striker pneumatics in wind chest	99	...Multiple disks
55	.....Units	100	...With phonograph spindle
56	.....Metal	101	...Note-sheet type
57	.....Tubes and junctions	102	..Bars
58	.....Bleeds	103	..Bells
59	.....With valve	104	..Drums
60	.....Valves and seats	105	..Outside players
61	.....Inside	106	...Cylinder or disk
62	.....Outside	107	...Electric or electropneumatic
63	.....Adjustable	108	...Cabinet type
64	.....Screening and cleaning	109	....Case connectors
65	.....Power pneumatics	110	....Pneumatic
66	.....Connections to hammers	111	...Striker details
67	.....To key	112	...Constant power
68	.....To abstract	113	...Electric control
69	.....To wippen	114	...Pneumatic control
70	.....Wind-supply devices	115	..Selectors
71	.....In grands	116	...Tracker-box location
72	.....Pedals	117	...Mechanical fingers
73	.....Folding	118	...Plurality of sheets
74	.....With keylock	119	....Synchronized
75	.....With doors	120	....Single tracker
		121	...Sheet not rolled
		122	...Winding and rewinding
		123	...With electric features
		124	...For two types of rolls
		125	...Shifting gear and clutch
		126	....Two clutches

127	....Gears	180	....Music desks or racks
128	....Speed control	181	....Music receptacles
129	.....Roller and disk or cone	182	....Swells
130	.....By wind supply	183	....Protectors
131	.....Compensation for diameter	184	...Frames, string plate and sounding boards
132	....Feeding	185	...Frames and string plates
133	....Rewinding	186.1	...Frames
134	....Brakes	186.2	....Wrest planks
135	....Sheet pressers	187	...String plates and sounding boards
136	....Registration	188	...String plates
137	.....Movable detector at edge	189	...Resonance devices
138	.....Controlling shifter bellows	190	....Supports or platforms
139	.....Single detector	191	....Insulators
140	....Extra end holes	192	....Sounding boards
141	....Single end hole	193	.....Materials
142	....Extra center holes	194	.....Multiple
143	....Flange shifted	195	.....Ribbing
144	....Hand operated	196	.....Crowning devices
145	....Transposition only	197	...Stringing
146	...Trackers and sheets	198	....Auxiliary strings
147	....Electric	199	...Strings
148	....For organs	200	...Tuning devices
149	....Vertical	201	....Simple pin
150	....Playing on wind and rewind	202	....Locking devices
151	...Trackers	203	.....Involving two pins
152	...Double scale	204	....Worm gear
153	.....Trackers rigidly connected	205	....Direct pull
154	.....Pivotally mounted	206	....With push piece
155	.....With slide valves	207	....With lever
156	....Duct closers	208	....Transverse pressure
157	....Modified for expression	209	...Bridges
158	....Metal	210	....Inverted
159	....Extensible	211	....Agraffes
160	....Pneumato-electric	212	....On sounding board
161	...Note sheets	213	.....With string holders
162	....Ends and joints	214	....String clamps or holders
163	....Overlapping holes	215	....Depressing bars
164	....With expression and tempo marks	216	...Expression devices
165	....With marks for voice	217	....Dampers lifted
166	....With projections	218	....Dampers held
167	..Key locks	219	....Pianissimo devices
168	..Couplers	220	.....Curtain type
169	..Indicators	221	.....Hammer stroke shortened
170	..Combined	222	.....Lost-motion preventers
171	..Electric	223	.....In grand actions
172	..Piano and organ	224	....Auxiliary strikers
173	..Stringed	225	....Pedal mechanism
174	..Pianos	226	.....Locks
175	...Duplex	227	.....Spring fulcrum
176	...Separable	228	.....Bearings
177	...Cases	229	.....Pedals
178	....Fall boards and desks	230	.....Auxiliary
179	....Fall boards		

231	.....Pedal carried	289	....Guard-plate type
232	.....With footrest	290	..Details
233	.....Mouse guards	291	...Bodies
234	..Harmonic dampers	292	....Metal
235	..Couplers	293	...Necks
236	..Hammers actions	294	...Resonance devices
237	....Horizontal	295	....Auxiliary strings
238	....Down striking	296	....With diaphragm
239	....Grand	297 R	...Strings and fastenings
240	....Upright	298	....Guitar bridges
241	....Jack serving as retractor	299	....Guitar bridges with tailpieces
242	....Standard type	300	....Banjo tailpieces
243	....Details	301	....Mandolin tailpieces
244	....Power-operated hammers	302	....Violin tailpieces
245	.....Sostenuto	303	....Spools
246	.....Electric striker	304	....Tuning pegs
247	.....Jack constantly controlled	305	.....Friction increasers
248	.....Inverted jack	306	....Worm gear
249	.....Jointed jack	297 S	....Strings
250	.....Action frames	307	...Bridges
251	.....Flanges and joints	308	....Banjo
252	.....Continuous	309	....Violin
253	.....Checks	310	....Violin mutes
254	.....Hammer heads	311	.....Attached
255	....Damper heads and stems	312 R	...Tunings
256	..Bowed or violin pianos	312 P	....Pedal operated steel guitars
257	...With belt bow	313	...Tremolo devices
258	..Plectrum	314 R	...Finger boards and frets
263	..Combined	314 N	....Nuts
264	..Harps	315	...Fingering devices
265	..Bodies	316	....For semitone
266	..Erard action	317	....For chords
267	..Guitars	318	.....Capo tastos
268	..Mandolins	319	....Stopping fingers or blocks
269	..Banjos	320	...Picking devices
270	...Resonance devices	321	....Picks on reciprocating carriage
271	....Closed back	322	....Hand or finger picks
272	....Two rings	323	...Hammer mechanism
273	....Mutes	324	....Spring-shank hammer
274	..Violins	325	...Bowling mechanism
275	...Bodies	326	....With keyboard
276	....Bass bars	327	...Instrument supports
277	....Sound posts	328	...Arm, hand, or finger rests
278	...Combined chin rest and support	329	...Article holders
279	...Chin rests	330	.Wind
280	...Supports	331	..Pipe organs
281	...Positioning devices	332	...Actions
282	...Bows	333	....Stop chambers
283	...Bow guides	334	....Single chamber
284	..Dulcimers	335	....Pneumatic details
285	..Zithers	336	.....Membrane valve
286	...Chord selectors	337	....Electric
287	....Damper-bar type		
288	.....Dampers independent		

338	....Electropneumatic	385 R	...Saxophones
339	.....Details	385 A	....Woodwind supports
	....Couplers	385 P	....Pads
340	.....Pneumatic	386	...Pitch-changing devices
341	.....Electric	380 A	...Double reed
342	....Key valves	380 B	...Bagpipes
343	....Stop actions	380 C	...Edge tone
344	.....Combination	387 R	..Brasses
345	.....Adjustable	388	...Valve type
346	...Swells	389	....With four valves
347	....Electropneumatic	390	....Rotary movement
348	...Valve tremolos	391	....Helical or sliding movement
349	...Pipes	392	....Piston details
350	....Reed	393	....With substitute tubes
351	..Reed organs	394	....Tuning devices
352	...Cases	395	...Trombones
353	....Pedals	396	....Tuning devices
354	...Folding	397	...Drainage
355	...Wind-supply devices	398	...Mouthpieces
356	....Pressure and exhaust	399	....Adjustable
357	....Pedals	400	...Mutes
358	.....Auxiliary	401	...Tremolos
359	....Distribution	387 A	...Supports
360	...Reed boards	402	..Rigid vibrators
361	...With qualifying tubes	403	..Bars and supports
362	...With resonance chamber	404	...With strikers
363	...Reeds	405	...With electric action
364	...With tuning means	406	..Bells
365	...Key actions	407	...With electric action
366	....Pedal	408	..Tongues
367	....Pneumatic	409	..Forks
368	....Pallets	410	..Resonators
369	...Stop actions	411 R	..Drums
370	....Combination	412	..Collapsible
371	....Celeste	413	..Cord tighteners
372	...Swells	414	..Head material
373	...Couplers	415	..Snares
374	...Fan tremolos	416	...Material
375	..Minor reed	417	...Inside
376 R	...Accordions	418	..Tambourines
376 A	....Attachments, supports and locks	419	..Tympani
376 EA	....Electronically amplified	420	..Toy
376 K	....Keys and keyboards	421	..Supports
376 SM	....Shift mechanisms	411 A	..Unitension
377	...Harmonicas	411 M	..Mutes
378	....With resonance chambers	411 P	..Practice Pads
379	....Supports	422.1	..Drum and cymbal beaters
380 R	..Wood winds	422.2	..Combined
381	...Duplex	422.3	..Hi-hat
382	...Clarinets	422.4	..Drumsticks
383 R	....Mouthpieces		..General features
383 A	.....Reeds	423 R	..Keyboards
384	...Flutes	424	...Plurality of manuals
		425	...Auxiliary

426	....Pedal	471 SR	...Slide rules
427	...Plurality of touch plates	476	..Blocks
428	....Whole-tone scale	477 R	..Indicators
429	...Curved front	478	...For keyboard
430	...Key bottoms	479 R	....Single position
431	....Folding	480	.....With transposing slide
432	...Key frames adjustable	481	.....Plurality of cards
433	...Keys	479 A	.....On keyboard
434	....Fulcrums and guides	482	....Shiftable
435	....Fulcrums	483.1	...Tune Sheets
436	....Guides	483.2	...Notation systems
437	....Plating	484	...For tempo
438	..Manufacturing processes	485 R	...For fingering
439	...Touch regulators	485 SR	...Slide rules
440	....Resistance	477 B	...Twirling and conducting batons
441	...Key holders	470 P	..Phonograph recorders
423 A	...Uniform	486	.Leaf turners
423 B	...Button type	487	..Motor operated
442	..Key selectors	488	..Gravity operated
443	..Chord players	489	..Hand and spring operated arms
444	...Pedal operated		..Spring-operated arms
445	..Transposers	490	...Plurality of latches
446	...Auxiliary keyboard	491	....Fixed latches
447	...Keyboard shifted	492	....Plurality of releasers
448	...Intermediate parts shifted	493	.....Latches and releasers
449	...Sounders shifted		pivoted
450	..Solo attachments	494	.....Integral
451	..Special or enharmonic scales	495	...Single latch
452 R	..Materials	496	....Fixed latch
452 P	...Plastic material	497	....Sliding latch
453	ACCESSORIES	498	....Escapement
454	.Tuning devices	499	.....Air operated
455	..Strings	500	..Single spring arm
456	..Pipes and reeds	501	...Latch and releaser integral
457	..Forks	502	..Player-operated arms
458	..Tools and machines	503	...Plurality of actuators
459	...Tuning hammers	504	....Plurality of finger pieces
460	...Felt pickers	505	.....Actuators pivoted
461	..Recording devices	506	.....Actuators and finger pieces
462	..Electric		integral
463	..Applying expression lines	507	....Single finger piece
464 R	..Producing color or light effects		...Single actuator
464 A	..Lights in Instrument	508	....Progressive action
465	..Exercising devices	509	.....Arms and actuator on
466	..For singers		different axes
467	..For pianists	510	.....With segmental gear
468	...Attached to performer	511	....Sliding actuator
469	...Armrest rail	512	....With segmental rack
470 R	..Teaching devices	513	....Repeating action
471 R	..Charts or boards	514	.....Arms and actuator on
472	...Easel type		different axes
473	...With transposing slide	515	.....Sliding actuator
474	...With transposing dial	516	..Single arm
475	...For transcribing	517	..Single transfer bar

518 ...With buckling devices
519 ...With suction devices
520 ...Leaves prepared
521 ...With magnetic disks

FOREIGN ART COLLECTIONS

FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

DIGESTS

DIG 1 PLURAL SPEAKERS
DIG 2 PREFERENCE NETWORKS
DIG 3 FOLDABLE; DETACHABLE; COLLAPSIBLE
DIG 4 CHORUS; ENSEMBLE; CELESTE
DIG 5 CHIFF
DIG 6 CATHODE-RAY TUBE
DIG 7 ELECTRIC KEY SWITCH STRUCTURE
DIG 8 KEYED OSCILLATORS
DIG 9 FILTERING
DIG 10 FEEDBACK
DIG 11 FREQUENCY DIVIDERS
DIG 12 SIDE; RHYTHM AND PERCUSSION
DEVICES
DIG 13 GAS DISCHARGE TUBE
DIG 14 HARMONICAS
DIG 15 ACCORDIONS
DIG 16 CRESCENDO
DIG 17 CABINETS
DIG 18 TUNING
DIG 19 LIGHT SENSITIVE RESISTOR
DIG 20 MONOPHONIC
DIG 21 MECHANICAL RESONATOR
DIG 22 CHORD ORGANS
DIG 23 ELECTRONIC GATES FOR TONES
DIG 24 PIEZOELECTRICAL TRANSDUCERS
DIG 25 PEDAL CLAVIER
DIG 26 REVERBERATION
DIG 27 STEREO
DIG 28 SERVICE MANUALS
DIG 29 TAPE
DIG 30 FRET CONTROL