Symbol	Typ	Titel
G	**Sektion**	**PHYSICS**
G10	**Klasse**	**MUSICAL INSTRUMENTS; ACOUSTICS**
G10H	**Unterklasse**	**ELECTROPHONIC MUSICAL INSTRUMENTS (electronic circuits in general H03)**
G10H 1/00	**Hauptgruppe**	**Details of electrophonic musical instruments (keyboards applicable also to other musical instruments G10B , G10C; arrangements for producing a reverberation or echo sound G10K 15/08) [5]**
G10H 1/02	1-Punkt Untergruppe	. Means for controlling the tone frequencies, e.g. attack, decay; Means for producing special musical effects, e.g. vibrato, glissando
G10H 1/04	2-Punkt Untergruppe	. . by additional modulation
G10H 1/043	3-Punkt Untergruppe	. . . Continuous modulation [3]
G10H 1/045	4-Punkt Untergruppe	. . . . by electromechanical means [3]
G10H 1/047	4-Punkt Untergruppe	. . . . by acousto-mechanical means, e.g. rotating speakers or sound deflectors [3]
G10H 1/053	3-Punkt Untergruppe	. . . during execution only [3]
G10H 1/055	4-Punkt Untergruppe	. . . . by switches with variable impedance elements [3]
G10H 1/057	4-Punkt Untergruppe	. . . . by envelope-forming circuits [3]
G10H 1/06	2-Punkt Untergruppe	. . Circuits for establishing the harmonic content of tones
G10H 1/08	3-Punkt Untergruppe	. . . by combining tones (G10H 1/14 , G10H 1/16 take precedence; chord G10H 1/38; speech analysis or synthesis, G10L) [3]
G10H 1/10	4-Punkt Untergruppe	. . . . for obtaining chorus, celeste or ensemble effects (continuous modulation G10H 1/043) [3]
G10H 1/12	3-Punkt Untergruppe	. . . by filtering complex wave forme (G10H 1/14 , G10H 1/16 take precedence) [3]
G10H 1/14	3-Punkt Untergruppe	. . . during execution (modulation during execution G10H 1/053) [3]
G10H 1/16	3-Punkt Untergruppe	. . . by non-linear elements (G10H 1/14 takes precedence; generation of non-sinusoidal basic tones G10H 5/10) [3]
G10H 1/18	1-Punkt Untergruppe	. Selecting circuits [3]
G10H 1/20	2-Punkt Untergruppe	. . for transposition [3]
G10H 1/22	2-Punkt Untergruppe	. . for suppressing tones; Preference networks [3]
G10H 1/24	2-Punkt Untergruppe	. . for selecting plural preset register stops [3]
G10H 1/26	2-Punkt Untergruppe	. . for automatically producing a series of tones [3]
G10H 1/28	3-Punkt Untergruppe	. . . to produce arpeggios [3]
G10H 1/30	3-Punkt Untergruppe	. . . to reiteratively sound two tones [3]
G10H 1/32	1-Punkt Untergruppe	. Constructional details [3]
G10H 1/34	2-Punkt Untergruppe	. . Switch arrangements, e.g. keyboards or mechanical switches peculiar to electrophonic musical instruments (keyboards applicable also to other musical instruments G10B , G10C) [3]
G10H 1/36	1-Punkt Untergruppe	. Accompaniment arrangements [3]
G10H 1/38	2-Punkt Untergruppe	. . Chord [3]

Symbol	Typ	Titel
G10H 1/40	2-Punkt Untergruppe	. . Rhythm (metronomes G04F 5/02) [3]
G10H 1/42	3-Punkt Untergruppe	. . . comprising tone forming circuits [3]
G10H 1/44	1-Punkt Untergruppe	. Tuning means [3]
G10H 1/46	1-Punkt Untergruppe	. Volume control [3]
G10H 3/00	**Hauptgruppe**	**Instruments in which the tones are generated by electromechanical means**
G10H 3/02	1-Punkt Untergruppe	. using mechanical interrupters
G10H 3/03	1-Punkt Untergruppe	. using pick-up means for reading recorded waves, e.g. on rotating discs [3]
G10H 3/06	2-Punkt Untergruppe	. . using photoelectric pick-up means
G10H 3/08	2-Punkt Untergruppe	. . using inductive pick-up means
G10H 3/09	3-Punkt Untergruppe	. . . using tapes or wires [3]
G10H 3/10	2-Punkt Untergruppe	. . using capacitive pick-up means
G10H 3/12	1-Punkt Untergruppe	. using mechanical resonant generators, e.g. strings or percussive instruments, the tones of which are picked up by electromechanical transducers, the electrical signals being further manipulated or amplified and subsequently converted to sound by a loudspeaker or equivalent instrument [3]
G10H 3/14	2-Punkt Untergruppe	. . using mechanically actuated vibrators with pick-up means (G10H 3/24 takes precedence) [3]
G10H 3/16	3-Punkt Untergruppe	. . . using a reed [3]
G10H 3/18	3-Punkt Untergruppe	. . . using a string, e.g. electric guitar [3]
G10H 3/20	3-Punkt Untergruppe	. . . using a tuning fork, rod or tube [3]
G10H 3/22	2-Punkt Untergruppe	. . using electromechanically actuated vibrators with pick-up means (G10H 3/24 takes precedence) [3]
G10H 3/24	2-Punkt Untergruppe	. . incorporating feedback means, e.g. acoustic [3]
G10H 3/26	3-Punkt Untergruppe	. . . using electric feedback [3]
G10H 5/00	**Hauptgruppe**	**Instruments in which the tones are generated by means of electronic generators (G10H 7/00 takes precedence) [3]**
G10H 5/02	1-Punkt Untergruppe	. using generation of basic tones
G10H 5/04	2-Punkt Untergruppe	. . with semiconductor devices as active elements (G10H 5/10 , G10H 5/12 take precedence)
G10H 5/06	2-Punkt Untergruppe	. . tones generated by frequency multiplication or division of a basic tone
G10H 5/07	3-Punkt Untergruppe	. . . resulting in complex waveforms [3]
G10H 5/08	2-Punkt Untergruppe	. . tones generated by heterodyning
G10H 5/10	1-Punkt Untergruppe	. using generation of non-sinusoidal basic tones, e.g. sawtooth
G10H 5/12	2-Punkt Untergruppe	. . using semiconductor devices as active elements
G10H 5/14	1-Punkt Untergruppe	. using electromechanical resonator, e.g. quartz crystal, as frequency-determining element [3]
G10H 5/16	1-Punkt Untergruppe	. using cathode ray tube [3]
G10H 7/00	**Hauptgruppe**	**Instruments in which the tones are synthesised from a data store, e.g. computer organs (synthesis of acoustic waves not specific to musical instruments G10K 15/02 , G10L) [3, 5]**
G10H 7/02	1-Punkt Untergruppe	. in which amplitudes at successive sample points of a tone waveform are stored in one or more memories [5]

Symbol	Typ	Titel
G10H 7/04	2-Punkt Untergruppe	. . in which amplitudes are read at varying rates, e.g. according to pitch [5]
G10H 7/06	2-Punkt Untergruppe	. . in which amplitudes are read at a fixed rate, the read-out address varying stepwise by a given value, e.g. according to pitch [5]
G10H 7/08	1-Punkt Untergruppe	. by calculating functions or polynomial approximations to evaluate amplitudes at successive sample points of a tone waveform [5]
G10H 7/10	2-Punkt Untergruppe	. . using coefficients or parameters stored in a memory, e.g. Fourier coefficients (G10H 7/12 takes precedence) [5]
G10H 7/12	2-Punkt Untergruppe	. . by means of a recursive algorithm using one or more sets of parameters stored in a memory and the calculated amplitudes of one or more preceding sample points [5]