Symbol	Typ	Titel
H	**Sektion**	**ELECTRICITY**
H03	**Klasse**	**BASIC ELECTRONIC CIRCUITRY**
H03J	**Unterklasse**	**TUNING RESONANT CIRCUITS; SELECTING RESONANT CIRCUITS (indicating arrangements for measuring G01D; measuring, testing G01R; remote-control in general G05, G08; automatic control or stabilisation of generators H03L)**
H03J 1/00	**Hauptgruppe**	**Details of adjusting, driving, indicating, or mechanical control arrangements for resonant circuits in general (machine elements in general F16; coupling of knobs to shafts F16D) [1, 3, 2006.01]**
H03J 1/02	1-Punkt Untergruppe	. Indicating arrangements [1, 2006.01]
H03J 1/04	2-Punkt Untergruppe	. . with optical indicating means [1, 2006.01]
H03J 1/06	1-Punkt Untergruppe	. Driving or adjusting arrangements; combined with other driving or adjusting arrangements, e.g. of gain control [1, 2006.01]
H03J 1/08	2-Punkt Untergruppe	. . Toothed-gear drive; Worm drive [1, 2006.01]
H03J 1/10	2-Punkt Untergruppe	. . Rope drive; Chain drive [1, 2006.01]
H03J 1/12	2-Punkt Untergruppe	. . Friction drive [1, 2006.01]
H03J 1/14	2-Punkt Untergruppe	. . Special arrangements for fine and coarse tuning [1, 2006.01]
H03J 1/16	2-Punkt Untergruppe	. . Single control means independently performing two or more functions [1, 2006.01]
H03J 1/18	1-Punkt Untergruppe	. Control by auxiliary power [1, 2006.01]
H03J 1/20	2-Punkt Untergruppe	. . the auxiliary power being switched on as long as controlling current is switched on [1, 2006.01]
H03J 1/22	2-Punkt Untergruppe	. . with stepping arrangements actuated by control pulses [1, 2006.01]
H03J 3/00	**Hauptgruppe**	**Continuous tuning (H03J 7/00, H03J 9/00 take precedence; combination of continuous and discontinuous tuning other than for bandspreading H03J 5/00) [1, 3, 2006.01]**
H03J 3/02	1-Punkt Untergruppe	. Details [1, 2006.01]
H03J 3/04	2-Punkt Untergruppe	. . Arrangements for compensating for variations of physical values, e.g. temperature (automatic control of ambient conditions G05D) [1, 2006.01]
H03J 3/06	2-Punkt Untergruppe	. . Arrangements for obtaining constant bandwidth or gain throughout tuning range or ranges (automatic gain control H03G) [1, 2006.01]
H03J 3/08	3-Punkt Untergruppe	. . . by varying a second parameter simultaneously with the tuning, e.g. coupling bandpass filter [1, 2006.01]
H03J 3/10	2-Punkt Untergruppe	. . Circuit arrangements for fine tuning, e.g. bandspreading [1, 2006.01]
H03J 3/12	2-Punkt Untergruppe	. . Electrically-operated arrangements for indicating correct tuning [1, 2006.01]
H03J 3/14	3-Punkt Untergruppe	. . . Visual indication, e.g. magic eye [1, 2006.01]
H03J 3/16	2-Punkt Untergruppe	. . Tuning without displacement of reactive element, e.g. by varying permeability [1, 2006.01]
H03J 3/18	3-Punkt Untergruppe	. . . by discharge tube or semiconductor device simulating variable reactance [1, 2006.01]
H03J 3/20	1-Punkt Untergruppe	. of single resonant circuit by varying inductance only or capacitance only [1, 2006.01]
H03J 3/22	1-Punkt Untergruppe	. of single resonant circuit by varying inductance and capacitance simultaneously [1, 2006.01]
H03J 3/24	1-Punkt Untergruppe	. of more than one resonant circuit simultaneously, the circuits being tuned to substantially the same frequency, e.g. for single-knob tuning [1, 2006.01]

Symbol	Typ	Titel
H03J 3/26	2-Punkt Untergruppe	. . the circuits being coupled so as to form a bandpass filter [1, 2006.01]
H03J 3/28	1-Punkt Untergruppe	. of more than one resonant circuit simultaneously, the tuning frequencies of the circuits having a substantially constant difference throughout the tuning range [1, 2006.01]
H03J 3/30	2-Punkt Untergruppe	. . Arrangements for ensuring tracking with variable inductors [1, 2006.01]
H03J 3/32	2-Punkt Untergruppe	. . Arrangements for ensuring tracking with variable capacitors [1, 2006.01]
H03J 5/00	**Hauptgruppe**	**Discontinuous tuning; Selecting predetermined frequencies; Selecting frequency bands with or without continuous tuning in one or more of the bands, e.g. push-button tuning, turret tuner (H03J 7/00, H03J 9/00 take precedence; for bandspreading H03J 3/10) [1, 3, 2006.01]**
H03J 5/02	1-Punkt Untergruppe	. with variable tuning element having a number of predetermined settings and adjustable to a desired one of these settings [1, 2006.01]
H03J 5/04	2-Punkt Untergruppe	. . operated by hand [1, 2006.01]
H03J 5/06	3-Punkt Untergruppe	. . . Settings determined by single indexing means with snap action [1, 2006.01]
H03J 5/08	3-Punkt Untergruppe	. . . Settings determined by a number of separately-actuated positioning means [1, 2006.01]
H03J 5/10	3-Punkt Untergruppe	. . . Settings determined by a number of positioning means mounted on a common support, which is adjustable to desired positions, a different positioning means being in operation in each position [1, 2006.01]
H03J 5/12	3-Punkt Untergruppe	. . . Settings determined by a number of separately-actuated driving means which adjust the tuning element directly to desired settings [1, 2006.01]
H03J 5/14	2-Punkt Untergruppe	. . operated by auxiliary power [1, 2006.01]
H03J 5/16	3-Punkt Untergruppe	. . . Settings determined by a number of separate positioning means actuated by hand [1, 2006.01]
H03J 5/18	3-Punkt Untergruppe	. . . Settings determined by a number of separate positioning means actuated by electromagnets [1, 2006.01]
H03J 5/20	3-Punkt Untergruppe	. . . Settings determined by a number of positioning means actuated by a second means adjustable to different positions by the same or by a second auxiliary power [1, 2006.01]
H03J 5/22	3-Punkt Untergruppe	. . . Settings determined by a number of separately actuated driving means which adjust the tuning element directly to desired settings [1, 2006.01]
H03J 5/24	1-Punkt Untergruppe	. with a number of separate pretuned tuning circuits or separate tuning elements selectively brought into circuit, e.g. for waveband selection, for television channel selection (switches in general H01H) [1, 2006.01]
H03J 5/26	2-Punkt Untergruppe	. . operated by hand [1, 2006.01]
H03J 5/28	3-Punkt Untergruppe	. . . Tuning circuits or elements supported on a revolving member with contacts arranged in a plane perpendicular to the axis [1, 2006.01]
H03J 5/30	3-Punkt Untergruppe	. . . Tuning circuits or elements supported on a revolving member with contacts arranged in lines parallel to the axis [1, 2006.01]
H03J 5/32	3-Punkt Untergruppe	. . . Stationary tuning circuits or elements selected by push-button [1, 2006.01]
H03J 7/00	**Hauptgruppe**	**Automatic frequency control; Automatic scanning over a band of frequencies [3, 2006.01]**
H03J 7/02	1-Punkt Untergruppe	. Automatic frequency control (H03J 7/18 takes precedence; automatic tuning control for television receivers H04N 5/50) [3, 2006.01]
H03J 7/04	2-Punkt Untergruppe	. . where the frequency control is accomplished by varying the electrical characteristics of a non-mechanically adjustable element or where the nature of the frequency controlling element is not significant [3, 2006.01]
H03J 7/06	3-Punkt Untergruppe	. . . using counters or frequency dividers [3, 2006.01]
H03J 7/08	3-Punkt Untergruppe	. . . using varactors, i.e. voltage variable reactive diodes (H03J 7/06 takes precedence) [3, 2006.01]

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H03J 7/10	4-Punkt Untergruppe	. . . . Modification of automatic frequency control sensitivity or linearising automatic frequency control operation [3, 2006.01]
H03J 7/12	4-Punkt Untergruppe	. . . . Combination of automatic frequency control voltage with stabilised varactor supply voltage [3, 2006.01]
H03J 7/14	3-Punkt Untergruppe	. . . Controlling the magnetic state of inductor cores (H03J 7/06 takes precedence) [3, 2006.01]
H03J 7/16	2-Punkt Untergruppe	. . where the frequency control is accomplished by mechanical means, e.g. by a motor [3, 2006.01]
H03J 7/18	1-Punkt Untergruppe	. Automatic scanning over a band of frequencies [3, 2006.01]
H03J 7/20	2-Punkt Untergruppe	. . where the scanning is accomplished by varying the electrical characteristics of a non-mechanically adjustable element [3, 2006.01]
H03J 7/22	3-Punkt Untergruppe	. . . in which an automatic frequency control circuit is brought into action after the scanning action has been stopped (H03J 7/24 takes precedence) [3, 2006.01]
H03J 7/24	3-Punkt Untergruppe	. . . using varactors, i.e. voltage variable reactive diodes (H03J 7/28 takes precedence) [3, 2006.01]
H03J 7/26	4-Punkt Untergruppe	. . . . in which an automatic frequency control circuit is brought into action after the scanning action has been stopped [3, 2006.01]
H03J 7/28	3-Punkt Untergruppe	. . . using counters or frequency dividers [3, 2006.01]
H03J 7/30	2-Punkt Untergruppe	. . where the scanning is accomplished by mechanical means, e.g. by a motor [3, 2006.01]
H03J 7/32	2-Punkt Untergruppe	. . with simultaneous display of received frequencies, e.g. panoramic receivers [3, 2006.01]
H03J 9/00	**Hauptgruppe**	**Remote-control of tuned circuits; Combined remote-control of tuning and other functions, e.g. brightness, amplification (mechanical remote-control arrangements H03J 1/00) [3, 2006.01]**
H03J 9/02	1-Punkt Untergruppe	. using radio transmission; using near-field transmission [3, 2006.01]
H03J 9/04	1-Punkt Untergruppe	. using ultrasonic, sonic or infrasonic waves [3, 2006.01]
H03J 9/06	1-Punkt Untergruppe	. using electromagnetic waves other than radio waves, e.g. light [3, 2006.01]