

Symbol	Typ	Titel
G	Sektion	PHYSICS
G04	Klasse	HOROLOGY
G04C	Unterklasse	ELECTROMECHANICAL CLOCKS OR WATCHES (mechanical parts of clocks or watches in general G04B; electronic time-pieces with no moving parts, electronic circuitry for producing timing pulses G04G)
		<u>Electric winding of mechanical clocks; Independent electric clocks or watches</u>
G04C 1/00	Hauptgruppe	Winding mechanical clocks electrically (winding mechanically G04B 3/00)
G04C 1/02	1-Punkt Untergruppe	. by electromagnets
G04C 1/04	1-Punkt Untergruppe	. by electric motors with rotating or with reciprocating movement
G04C 1/06	2-Punkt Untergruppe	. . winding-up springs
G04C 1/08	2-Punkt Untergruppe	. . raising weights
G04C 1/10	1-Punkt Untergruppe	. Protection against overwinding (in mechanical clocks or watches G04B 1/20 , G04B 3/06 , G04B 3/10)
G04C 1/12	2-Punkt Untergruppe	. . of the spring
G04C 1/14	2-Punkt Untergruppe	. . of the weights
G04C 3/00	Hauptgruppe	Electromechanical clocks or watches independent of other time-pieces and in which the movement is maintained by electric means
G04C 3/02	1-Punkt Untergruppe	. wherein movement is regulated by a pendulum
G04C 3/027	2-Punkt Untergruppe	. . using electromagnetic coupling between electric power source and pendulum (G04C 3/033 takes precedence) [3]
G04C 3/033	2-Punkt Untergruppe	. . using torsion pendulums; using conical pendulums (construction thereof G04B 17/00) [3]
G04C 3/04	1-Punkt Untergruppe	. wherein movement is regulated by a balance
G04C 3/06	2-Punkt Untergruppe	. . using electromagnetic coupling between electric power source and balance [3]
G04C 3/08	1-Punkt Untergruppe	. wherein movement is regulated by a mechanical oscillator other than a pendulum or balance, e.g. by a tuning fork [3]
G04C 3/10	2-Punkt Untergruppe	. . driven by electromagnetic means [3]
G04C 3/12	2-Punkt Untergruppe	. . driven by piezo-electric means; driven by magneto-strictive means [3]
G04C 3/14	1-Punkt Untergruppe	. incorporating a stepping motor (G04C 3/02 to G04C 3/12 take precedence) [3]
G04C 3/16	1-Punkt Untergruppe	. incorporating an electro-dynamic continuously rotating motor (G04C 3/02 to G04C 3/12 take precedence; clocks driven by synchronous motors G04C 15/00) [3]
G04C 3/18	1-Punkt Untergruppe	. incorporating electro-thermal or electro-pneumatic driving means [3]
G04C 5/00	Hauptgruppe	Electric or magnetic means for converting oscillatory to rotary motion in time-pieces, i.e. electric or magnetic escapements (regulators G04C 3/00) [3]
G04C 9/00	Hauptgruppe	Electrically-actuated devices for setting the time-indicating means (of slave clocks G04C 13/03; mechanical setting devices G04B 27/00) [3]
G04C 9/02	1-Punkt Untergruppe	. brought into action by radio transmission
G04C 9/04	1-Punkt Untergruppe	. by blocking the driving means [3]
G04C 9/06	1-Punkt Untergruppe	. by decoupling the driving means (combined with blocking means G04C 9/04) [3]

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G04C 9/08	1-Punkt Untergruppe	. by electric drive [3]
G04C 10/00	Hauptgruppe	Arrangements of electric power supplies in time-pieces [3]
G04C 10/02	1-Punkt Untergruppe	. the power supply being a radioactive source [3]
G04C 10/04	1-Punkt Untergruppe	. with means for indicating the condition of the power supply [3]
		<u>Electric clock installations; Master-and-slave clock systems; Synchronous-motor clocks</u>
G04C 11/00	Hauptgruppe	Synchronisation of independently-driven clocks
G04C 11/02	1-Punkt Untergruppe	. by radio
G04C 11/04	1-Punkt Untergruppe	. over a line (transmitting time signals over telephone networks H04M 11/06)
G04C 11/06	1-Punkt Untergruppe	. with direct mechanical action on the time-indicating means [3]
G04C 11/08	1-Punkt Untergruppe	. using an electric magnet or motor [3]
G04C 13/00	Hauptgruppe	Driving mechanisms for clocks by master clocks
G04C 13/02	1-Punkt Untergruppe	. Circuit arrangements; Electric clock installations
G04C 13/03	2-Punkt Untergruppe	. . Pulse transmission systems with additional means for setting the time indication of slave clocks [3]
G04C 13/04	2-Punkt Untergruppe	. . Master clocks
G04C 13/06	3-Punkt Untergruppe	. . . Contact devices (for simultaneously winding several clocks G04C 1/00)
G04C 13/08	1-Punkt Untergruppe	. Slave clocks actuated intermittently
G04C 13/10	2-Punkt Untergruppe	. . by electromechanical step-advancing mechanisms
G04C 13/11	3-Punkt Untergruppe	. . . with rotating armature [3]
G04C 13/12	2-Punkt Untergruppe	. . by continuously-rotating electric motors [3]
G04C 13/14	2-Punkt Untergruppe	. . by electrically-released mechanical driving mechanisms
G04C 15/00	Hauptgruppe	Clocks driven by synchronous motors
		<u>Indicating the time or producing time signals electrically</u>
G04C 17/00	Hauptgruppe	Indicating the time optically by electric means (G04C 19/00 takes precedence; liquid crystal materials C09K 19/00; by mechanical means G04B 19/00 , G04B 19/20) [3]
G04C 17/02	1-Punkt Untergruppe	. by electric lamps
G04C 19/00	Hauptgruppe	Producing optical time signals at prefixed times by electric means
G04C 19/02	1-Punkt Untergruppe	. by electric lamps
G04C 19/04	1-Punkt Untergruppe	. by indicating members moved electrically, e.g. flap, band
G04C 21/00	Hauptgruppe	Producing acoustic time signals by electrical means
G04C 21/02	1-Punkt Untergruppe	. Constructional details (G04C 21/04 , G04C 21/16 take precedence)
G04C 21/04	1-Punkt Untergruppe	. Indicating the time of the day (acoustic indication of time G04B 21/00)
G04C 21/06	2-Punkt Untergruppe	. . by striking mechanism
G04C 21/08	3-Punkt Untergruppe	. . . with snail
G04C 21/10	3-Punkt Untergruppe	. . . with locking plate
G04C 21/12	2-Punkt Untergruppe	. . by electro-acoustic means

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G04C 21/14	3-Punkt Untergruppe	. . . Electro-acoustic time announcement, i.e. spoken
G04C 21/16	1-Punkt Untergruppe	. producing the signals at adjustable fixed times
G04C 21/18	2-Punkt Untergruppe	. . by mechanically unlocking an electromechanical vibrator, e.g. actuated by the leakage flux of the electric driving means
G04C 21/20	2-Punkt Untergruppe	. . by closing a contact to ring an electromechanical alarm
G04C 21/22	3-Punkt Untergruppe	. . . put into action by the arbor of a mechanical alarm work
G04C 21/24	3-Punkt Untergruppe	. . . put into action by the spring of a mechanical alarm work
G04C 21/26	3-Punkt Untergruppe	. . . put into action by the vibrations caused by the operation of a mechanical alarm work
G04C 21/28	2-Punkt Untergruppe	. . by closing a contact to put into action electro-acoustic means, e.g. awakening by music
G04C 21/30	2-Punkt Untergruppe	. . with provision for a number of operations at different times, e.g. ringing the bells in a school
G04C 21/32	3-Punkt Untergruppe	. . . giving indications at a number of places, each at a different time, e.g. system of alarms in a hotel
G04C 21/34	2-Punkt Untergruppe	. . Devices on watches or similar portable time-pieces
G04C 21/36	2-Punkt Untergruppe	. . Signal-repeating devices
G04C 21/38	2-Punkt Untergruppe	. . Adjusting the duration of signals
G04C 23/00	Hauptgruppe	Clocks with attached or built-in means operating any device at preselected times or after preselected time-intervals (if restricted to producing acoustic time signals by electrical means G04C 21/00; mechanical alarm clocks G04B 23/02; apparatus which can be set and started to measure-off predetermined intervals G04F 3/06; time or time-programme switches which automatically terminate their operation after the programme is completed H01H 43/00)
G04C 23/02	1-Punkt Untergruppe	. Constructional details
G04C 23/04	2-Punkt Untergruppe	. . Housings, supports, shielding, or similar stationary parts
G04C 23/06	2-Punkt Untergruppe	. . Driving or regulating means
G04C 23/08	2-Punkt Untergruppe	. . Programming means
G04C 23/10	2-Punkt Untergruppe	. . for actuating any element which operates, or initiates the operation of, the device concerned
G04C 23/12	2-Punkt Untergruppe	. . Electric circuitry
G04C 23/14	1-Punkt Untergruppe	. Mechanisms continuously running to relate the operation(s) to the time of day
G04C 23/16	2-Punkt Untergruppe	. . acting only at one preselected time or during one adjustable time interval
G04C 23/18	2-Punkt Untergruppe	. . for operating one device at a number of different times
G04C 23/20	3-Punkt Untergruppe	. . . with contacts operated, or formed, by clock hands or elements of similar form
G04C 23/22	3-Punkt Untergruppe	. . . with the actuating element carried by a disc
G04C 23/24	4-Punkt Untergruppe the actuating element controlling another element mechanically
G04C 23/26	2-Punkt Untergruppe	. . for operating a number of devices at different times
G04C 23/28	3-Punkt Untergruppe	. . . with contacts operated, or formed, by clock hands or elements of similar form
G04C 23/30	3-Punkt Untergruppe	. . . with the actuating element carried by a disc
G04C 23/32	4-Punkt Untergruppe the actuating element controlling another element mechanically

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G04C 23/34	2-Punkt Untergruppe	. . with provision for automatic modification of the programme, e.g. on Sunday
G04C 23/36	3-Punkt Untergruppe	. . . by external influences
G04C 23/38	1-Punkt Untergruppe	. Mechanisms measuring a chosen time interval independently of the time of day at which the interval starts
G04C 23/40	2-Punkt Untergruppe	. . using continuously-running mechanism
G04C 23/42	2-Punkt Untergruppe	. . acting only at the end of a single time interval
G04C 23/44	3-Punkt Untergruppe	. . . with provision for selection from a number of preset intervals
G04C 23/46	3-Punkt Untergruppe	. . . with provision for adjustment of the interval (G04C 23/44 takes precedence)
G04C 23/48	2-Punkt Untergruppe	. . acting at the ends of successive time intervals
G04C 23/50	2-Punkt Untergruppe	. . with provision for modification of the interval(s) by external influences