

**CPC****COOPERATIVE PATENT CLASSIFICATION****G08C****TRANSMISSION SYSTEMS FOR MEASURED VALUES, CONTROL OR SIMILAR SIGNALS** (fluid pressure transmission systems

[F15B](#); sensing members for specific physical variables, see the relevant subclasses, e.g. of [G01](#) or [H01](#); indicators or recorders, see the relevant subclasses, e.g. [G01D](#), [G09F](#); mechanical means for transferring the output of a sensing member [G01D 5/00](#); means for converting the output of the sensing member into a different variable [G01D 5/00](#); self-balancing bridges [G01R](#); position control in general [G05D 3/00](#); mechanical control systems [G05G](#); systems for transmitting "on/off" signals only, systems for transmitting alarm conditions [G08B](#); order telegraph systems [G08B 9/00](#); generating electric pulses [H03K](#); coding, decoding or code conversion [H03M](#); transmission of digital information [H04L](#); selective calling from one station to another [H04Q 9/00](#))

**G08C 13/00**

**Arrangements for influencing the relationship between signals at input and output, e.g. differentiating, delaying,** (transferring the output of a sensing member to an indicating or recording part not yielding momentary value [G01D 1/00](#); systems for control of position involving comparison between actual and desired values [G05D 3/00](#); computing [G06](#))

**G08C 13/02**

- . to yield a signal which is a function of two or more signals, e.g. sum, product

**G08C 15/00**

**Arrangements characterised by the use of multiplexing for the transmission of a plurality of signals over a common path** (multiplex transmission in general [H04J](#))

**G08C 15/02**

- . simultaneously, i.e. using frequency division

**G08C 15/04**

- . . the signals being modulated on carrier frequencies

**G08C 15/06**

- . successively, i.e. using time division

**G08C 15/08**

- . . the signals being represented by amplitude of current or voltage in transmission link

**G08C 15/10**

- . . the signals being represented by frequencies or phase of current or voltage in transmission link

**G08C 15/12**

- . . the signals being represented by pulse characteristics in transmission link

**G08C 17/00**

**Arrangements for transmitting signals characterised by the use of a wireless electrical link**

**G08C 17/02**

- . using a radio link

**G08C 17/04**

- . using magnetically coupled devices

**G08C 17/06**

- . using capacity coupling

**G08C 19/00**

**Electric signal transmission systems** ([G08C 17/00](#) takes precedence)

**G08C 19/02**

- . in which the signal transmitted is magnitude of current or voltage ([G08C 19/36](#), [G08C 19/38](#) take precedence)

**G08C 19/025**

- . . {using fixed values of magnitude of current or voltage}

**G08C 19/04**

- . . using variable resistance

**G08C 19/06**

- . . using variable inductance

- G08C 19/08 . . . differentially influencing two coils
- G08C 19/10 . . using variable capacitance
- G08C 19/12 . in which the signal transmitted is frequency or phase of ac
- G08C 19/14 . . using combination of fixed frequencies
- G08C 19/16 . in which transmission is by pulses
- G08C 19/18 . . using a variable number of pulses in a train
- G08C 19/20 . . . operating on dynamo-electric devices, e.g. step motor
- G08C 19/22 . . by varying the duration of individual pulses
- G08C 19/24 . . using time shift of pulses
- G08C 19/26 . . by varying pulse repetition frequency
- G08C 19/28 . . using pulse code
- G08C 19/30 . in which transmission is by selection of one or more conductors or channels from a plurality of conductors or channels ([G08C 19/38 takes precedence](#))
- G08C 19/32 . . of one conductor or channel
- G08C 19/34 . . of a combination of conductors or channels
- G08C 19/36 . using optical means to convert the input signal ([analogue/digital converters per se H03M 1/00](#)); {[optical analogue digital converters G02F 7/00](#); contains no documents, see [G01D 5/26](#)}
- G08C 19/38 . using dynamo-electric devices ([operated by pulses G08C 19/20](#); [dynamo-electric machines per se H02K](#))
- G08C 19/40 . . of which only the rotor or the stator carries a winding to which a signal is applied, e.g. using step motor
- G08C 19/42 . . . having three stator poles
- G08C 19/44 . . . having more than three stator poles
- G08C 19/46 . . of which both rotor and stator carry windings ([having squirrel-cage rotor G08C 19/40](#))
- G08C 19/48 . . . being the type with a three-phase stator and a rotor fed by constant-frequency ac, e.g. selsyn, mag slip

**G08C 21/00** **Systems for transmitting the position of an object with respect to a predetermined reference system, e.g. tele-autographic system** ([converting the pattern of mechanical parameters, e.g. force or presence, into electrical signals G06K 11/00](#))

**G08C 23/00** **Non-electrical signal transmission systems, e.g. optical systems**

- G08C 23/02 . using infrasonic, sonic or ultrasonic waves
- G08C 23/04 . using light waves, e.g. infra-red
- G08C 23/06 . through light guides, e.g. optical fibres

**G08C 25/00** **Arrangements for preventing or correcting errors; Monitoring arrangements**

- G08C 25/02 . by signalling back receiving station to transmitting station
- G08C 25/04 . by recording transmitted signals

**G08C 2200/00** **Transmission systems for measured values, control or similar signals**

<b>G08C 2201/00</b>	<b>Transmission systems of control signals via wireless link</b>
G08C 2201/10	. Power supply of remote control devices
G08C 2201/11	.. Energy harvesting
G08C 2201/112	... Mechanical energy, e.g. vibration, piezoelectric
G08C 2201/114	... Solar power
G08C 2201/12	.. Power saving techniques of remote control or controlled devices
G08C 2201/20	. Binding and programming of remote control devices
G08C 2201/21	.. Programming remote control devices via third means
G08C 2201/30	. User interface
G08C 2201/31	.. Voice input
G08C 2201/32	.. Remote control based on movements, attitude of remote control device
G08C 2201/33	.. Remote control using macros, scripts
G08C 2201/34	.. Context aware guidance
G08C 2201/40	. Remote control systems using repeaters, converters, gateways
G08C 2201/41	.. Remote control of gateways
G08C 2201/42	.. Transmitting or receiving remote control signals via a network.
G08C 2201/50	. Receiving or transmitting feedback, e.g. replies, status updates, acknowledgements, from the controlled devices
G08C 2201/51	.. Remote controlling of devices based on replies, status thereof
G08C 2201/60	. Security, fault tolerance
G08C 2201/61	.. Password, biometric
G08C 2201/62	.. Rolling code
G08C 2201/63	.. Redundant transmissions
G08C 2201/70	. Device selection
G08C 2201/71	.. Directional beams
G08C 2201/90	. Additional features
G08C 2201/91	.. Remote control based on location and proximity
G08C 2201/92	.. Universal remote control
G08C 2201/93	.. Remote control using other portable devices, e.g. mobile phone, PDA, laptop
G08C 2201/94	.. Smart cards