

**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, magflip
  
- 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**
  
- G08C 2201/00** **Transmission systems of control signals via wireless link**
- 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