

**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](#))

**Guidance heading:**

- 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

### **Guidance heading:**

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

### **Guidance heading:**

## **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