

# CPC COOPERATIVE PATENT CLASSIFICATION

## G PHYSICS

(NOTES omitted)

### INSTRUMENTS

#### G08 SIGNALLING

#### G08C TRANSMISSION SYSTEMS FOR MEASURED VALUES, CONTROL OR SIMILAR SIGNALS (fluid pressure transmitting systems [F15B](#); mechanical means for transferring the output of a sensing member into a different variable [G01D 5/00](#); mechanical control system [G05G](#))

13/00	<b>Arrangements for influencing the relationship between signals at input and output, e.g. differentiating, delaying</b>	19/26	. . by varying pulse repetition frequency
		19/28	. . using pulse code
13/02	. to yield a signal which is a function of two or more signals, e.g. sum or product	19/30	. in which transmission is by selection of one or more conductors or channels from a plurality of conductors or channels ( <a href="#">G08C 19/38</a> takes precedence)
15/00	<b>Arrangements characterised by the use of multiplexing for the transmission of a plurality of signals over a common path</b>	19/32	. . of one conductor or channel
15/02	. simultaneously, i.e. using frequency division	19/34	. . of a combination of conductors or channels
15/04	. . the signals being modulated on carrier frequencies	19/36	. using optical means to convert the input signal {characterised by optical transfer means <a href="#">G01D 5/26</a> ; optical analogue digital converters <a href="#">G02F 7/00</a> }
15/06	. successively, i.e. using time division	19/38	. using dynamo-electric devices (operated by pulses <a href="#">G08C 19/20</a> )
15/08	. . the signals being represented by amplitude of current or voltage in transmission link	19/40	. . of which only the rotor or the stator carries a winding to which a signal is applied, e.g. using step motor
15/10	. . the signals being represented by frequencies or phase of current or voltage in transmission link	19/42	. . . having three stator poles
15/12	. . the signals being represented by pulse characteristics in transmission link	19/44	. . . having more than three stator poles
17/00	<b>Arrangements for transmitting signals characterised by the use of a wireless electrical link</b>	19/46	. . of which both rotor and stator carry windings (having squirrel-cage rotor <a href="#">G08C 19/40</a> )
17/02	. using a radio link	19/48	. . . being the type with a three-phase stator and a rotor fed by constant-frequency ac, e.g. selsyn, magslip
17/04	. using magnetically coupled devices		
17/06	. using capacity coupling		
19/00	<b>Electric signal transmission systems (<a href="#">G08C 17/00</a> takes precedence)</b>	21/00	<b>Systems for transmitting the position of an object with respect to a predetermined reference system, e.g. tele-autographic system</b>
19/02	. in which the signal transmitted is magnitude of current or voltage ( <a href="#">G08C 19/36</a> , <a href="#">G08C 19/38</a> take precedence)	23/00	<b>Non-electrical signal transmission systems, e.g. optical systems</b>
19/025	. . {using fixed values of magnitude of current or voltage}	23/02	. using infrasonic, sonic or ultrasonic waves
19/04	. . using variable resistance	23/04	. using light waves, e.g. infrared
19/06	. . using variable inductance	23/06	. through light guides, e.g. optical fibres
19/08	. . . differentially influencing two coils	25/00	<b>Arrangements for preventing or correcting errors; Monitoring arrangements</b>
19/10	. . using variable capacitance	25/02	. by signalling back receiving station to transmitting station
19/12	. in which the signal transmitted is frequency or phase of ac	25/04	. by recording transmitted signals
19/14	. . using combination of fixed frequencies		
19/16	. in which transmission is by pulses	2200/00	<b>Transmission systems for measured values, control or similar signals</b>
19/18	. . using a variable number of pulses in a train	2201/00	<b>Transmission systems of control signals via wireless link</b>
19/20	. . . operating on dynamo-electric devices, e.g. step motor	2201/10	. Power supply of remote control devices
19/22	. . by varying the duration of individual pulses		
19/24	. . using time shift of pulses		

## G08C

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