

CPC COOPERATIVE PATENT CLASSIFICATION

G PHYSICS (NOTES omitted)

INSTRUMENTS

G08 SIGNALLING (indicating or display devices per se [G09F](#); transmission of pictures [H04N](#))

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](#))

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|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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) | 19/04
19/06
19/08
19/10
19/12 | . . . using variable resistance
. . . using variable inductance
. . . differentially influencing two coils
. . . using variable capacitance
. . . in which the signal transmitted is frequency or phase of ac |
| 13/02 | . to yield a signal which is a function of two or more signals, e.g. sum, product | 19/14
19/16
19/18
19/20 | . . . using combination of fixed frequencies
. . . in which transmission is by pulses
. . . using a variable number of pulses in a train
. . . operating on dynamo-electric devices, e.g. step motor |
| 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) | 19/22
19/24
19/26
19/28
19/30 | . . . by varying the duration of individual pulses
. . . using time shift of pulses
. . . by varying pulse repetition frequency
. . . using pulse code |
| 15/02 | . simultaneously, i.e. using frequency division | 19/32 | . . . 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) |
| 15/04 | . . the signals being modulated on carrier frequencies | 19/34
19/36 | . . . of one conductor or channel
. . . of a combination of conductors or channels |
| 15/06 | . successively, i.e. using time division | 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 }) |
| 15/08 | . . the signals being represented by amplitude of current or voltage in transmission link | 19/38 | . using dynamo-electric devices (operated by pulses G08C 19/20 ; dynamo-electric machines per se H02K) |
| 15/10 | . . the signals being represented by frequencies or phase 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 |
| 15/12 | . . the signals being represented by pulse characteristics in transmission link | 19/42
19/44
19/46 | . . . having three stator poles
. . . having more than three stator poles
. . . of which both rotor and stator carry windings (having squirrel-cage rotor G08C 19/40) |
| 17/00 | Arrangements for transmitting signals characterised by the use of a wireless electrical link | | |
| 17/02 | . using a radio link | | |
| 17/04 | . using magnetically coupled devices | | |
| 17/06 | . using capacity coupling | | |
| 19/00 | Electric signal transmission systems (G08C 17/00 takes precedence) | | |
| 19/02 | . in which the signal transmitted is magnitude of current or voltage (G08C 19/36 , G08C 19/38 take precedence) | | |
| 19/025 | . . {using fixed values of magnitude of current or voltage} | | |

- 19/48 . . . being the type with a three-phase stator and a rotor fed by constant-frequency ac, e.g. selsyn, magstrip
- 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)**
- 23/00 Non-electrical signal transmission systems, e.g. optical systems**
 - 23/02 . using infrasonic, sonic or ultrasonic waves
 - 23/04 . using light waves, e.g. infra-red
 - 23/06 . through light guides, e.g. optical fibres
- 25/00 Arrangements for preventing or correcting errors; Monitoring arrangements**
 - 25/02 . by signalling back receiving station to transmitting station
 - 25/04 . by recording transmitted signals
- 2200/00 Transmission systems for measured values, control or similar signals**
- 2201/00 Transmission systems of control signals via wireless link**
 - 2201/10 . Power supply of remote control devices
 - 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