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)

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

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)

13/02 . to yield a signal which is a function of two or more signals, e.g. sum, product

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)

15/02 . simultaneously, i.e. using frequency division

15/04 . . the signals being modulated on carrier frequencies

15/06 . successively, i.e. using time division

15/08 . . the signals being represented by amplitude of current or voltage in transmission link

15/10 . . the signals being represented by frequencies or phase of current or voltage in transmission link

15/12 . . the signals being represented by pulse characteristics in transmission link

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}

19/04 . . using variable resistance

19/06 . . using variable inductance

19/08 . . . differentially influencing two coils

19/10 . . using variable capacitance

19/12 . in which the signal transmitted is frequency or phase of ac

19/14 . . using combination of fixed frequencies

19/16 . in which transmission is by pulses

19/18 . . using a variable number of pulses in a train

19/20 . . . operating on dynamo-electric devices, e.g. step motor

19/22 . . by varying the duration of individual pulses

19/24 . . using time shift of pulses

19/26 . . by varying pulse repetition frequency

19/28 . . using pulse code

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)

19/32 . . of one conductor or channel

19/34 . . of a combination of conductors or channels

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})

19/38 . using dynamo-electric devices (operated by pulses G08C 19/20; dynamo-electric machines per se H02K)

19/40 . . of which only the rotor or the stator carries a winding to which a signal is applied, e.g. using step motor
19/42 . . . having three stator poles
19/44 . . . having more than three stator poles
19/46 . . of which both rotor and stator carry windings (having squirrel-cage rotor G08C 19/40)
19/48 . . . being the type with a three-phase stator and a rotor fed by constant-frequency ac, e.g. selsyn, magslip

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