

CPC COOPERATIVE PATENT CLASSIFICATION

G PHYSICS (NOTES omitted)

INSTRUMENTS

G08 SIGNALLING

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.

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

- 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, magflip
- 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