

# 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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|--------------|--|-------|--|
| <b>13/00</b> | <b>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 <a href="#">G01D 1/00</a>; systems for control of position involving comparison between actual and desired values <a href="#">G05D 3/00</a>; computing <a href="#">G06</a>)</b> | 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   |
| 13/02        | . to yield a signal which is a function of two or more signals, e.g. sum, product  | 19/18 | . . using a variable number of pulses in a train   |
|              |  | 19/20 | . . . operating on dynamo-electric devices, e.g. step motor  |
| <b>15/00</b> | <b>Arrangements characterised by the use of multiplexing for the transmission of a plurality of signals over a common path (multiplex transmission in general <a href="#">H04J</a>)</b>  | 19/22 | . . by varying the duration of individual pulses   |
|              |  | 19/24 | . . using time shift of pulses   |
|              |  | 19/26 | . . by varying pulse repetition frequency  |
| 15/02        | . simultaneously, i.e. using frequency division  | 19/28 | . . using pulse code   |
| 15/04        | . . the signals being modulated on carrier frequencies   | 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 takes precedence</a> )   |
| 15/06        | . successively, i.e. using time division   |       |  |
| 15/08        | . . the signals being represented by amplitude of current or voltage in transmission link  | 19/32 | . . of one conductor or channel  |
| 15/10        | . . the signals being represented by frequencies or phase of current or voltage in transmission link   | 19/34 | . . of a combination of conductors or channels   |
| 15/12        | . . the signals being represented by pulse characteristics in transmission link  | 19/36 | . using optical means to convert the input signal (analogue/digital converters <a href="#">per se H03M 1/00</a> ; {optical analogue digital converters <a href="#">G02F 7/00</a> ; contains no documents, <a href="#">see G01D 5/26</a> }) |
| <b>17/00</b> | <b>Arrangements for transmitting signals characterised by the use of a wireless electrical link</b>  | 19/38 | . using dynamo-electric devices (operated by pulses <a href="#">G08C 19/20</a> ; dynamo-electric machines <a href="#">per se H02K</a> )  |
| 17/02        | . using a radio link   |       |  |
| 17/04        | . using magnetically coupled devices   | 19/40 | . . of which only the rotor or the stator carries a winding to which a signal is applied, e.g. using step motor  |
| 17/06        | . using capacity coupling  |       |  |
| <b>19/00</b> | <b>Electric signal transmission systems (<a href="#">G08C 17/00 takes precedence</a>)</b>  | 19/42 | . . . having three stator poles  |
|              |  | 19/44 | . . . having more than three stator poles  |
| 19/02        | . in which the signal transmitted is magnitude of current or voltage ( <a href="#">G08C 19/36</a> , <a href="#">G08C 19/38 take precedence</a> )   | 19/46 | . . of which both rotor and stator carry windings (having squirrel-cage rotor <a href="#">G08C 19/40</a> )   |
| 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, magslip
<b>21/00</b>	<b>Systems for transmitting the position of an object with respect to a predetermined reference system, e.g. tele-autographic system</b> ( <a href="#">converting the pattern of mechanical parameters, e.g. force or presence, into electrical signals G06K 11/00</a> )
<b>23/00</b>	<b>Non-electrical signal transmission systems, e.g. optical systems</b>
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
<b>25/00</b>	<b>Arrangements for preventing or correcting errors; Monitoring arrangements</b>
25/02	. by signalling back receiving station to transmitting station
25/04	. by recording transmitted signals
<b>2200/00</b>	<b>Transmission systems for measured values, control or similar signals</b>
<b>2201/00</b>	<b>Transmission systems of control signals via wireless link</b>
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