

## SECTION G — PHYSICS

### G08 SIGNALLING

**G08C TRANSMISSION SYSTEMS FOR MEASURED VALUES, CONTROL OR SIMILAR SIGNALS** (fluid pressure transmission systems F15B; mechanical means for transferring the output of a sensing member into a different variable G01D 5/00; mechanical control systems G05G) [4]

#### Subclass index

##### TRANSMISSION SYSTEMS IN GENERAL

Electric; non-electric.....19/00, 23/00

SYSTEMS FOR TRANSMITTING THE POSITION OF AN OBJECT.....21/00

##### ARRANGEMENTS CHARACTERISED BY THE METHOD OF TRANSMISSION

Multiplex; use of a wireless electrical link.....15/00, 17/00

##### PROCESSING SIGNALS

Differentiating, delaying.....13/00

MONITORING, PREVENTING OR CORRECTING ERRORS.....25/00

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| <p><b>13/00 Arrangements for influencing the relationship between signals at input and output, e.g. differentiating, delaying [1, 2006.01]</b></p> <p>13/02 • to yield a signal which is a function of two or more signals, e.g. sum, product [1, 2006.01]</p> <p><b>15/00 Arrangements characterised by the use of multiplexing for the transmission of a plurality of signals over a common path [1, 2006.01]</b></p> <p>15/02 • simultaneously, i.e. using frequency division [1, 2006.01]</p> <p>15/04 • • the signals being modulated on carrier frequencies [1, 2006.01]</p> <p>15/06 • successively, i.e. using time division [1, 2006.01]</p> <p>15/08 • • the signals being represented by amplitude of current or voltage in transmission link [1, 2006.01]</p> <p>15/10 • • the signals being represented by frequencies or phase of current or voltage in transmission link [1, 2006.01]</p> <p>15/12 • • the signals being represented by pulse characteristics in transmission link [1, 2006.01]</p> <p><b>17/00 Arrangements for transmitting signals characterised by the use of a wireless electrical link [1, 6, 2006.01]</b></p> <p>17/02 • using a radio link [6, 2006.01]</p> <p>17/04 • using magnetically coupled devices [6, 2006.01]</p> <p>17/06 • using capacity coupling [6, 2006.01]</p> <p><b>19/00 Electric signal transmission systems (G08C 17/00 takes precedence) [1, 2006.01]</b></p> <p>19/02 • in which the signal transmitted is magnitude of current or voltage (G08C 19/36, G08C 19/38 take precedence) [1, 2006.01]</p> <p>19/04 • • using variable resistance [1, 2006.01]</p> <p>19/06 • • using variable inductance [1, 2006.01]</p> <p>19/08 • • • differentially influencing two coils [1, 2006.01]</p> <p>19/10 • • using variable capacitance [1, 2006.01]</p> <p>19/12 • in which the signal transmitted is frequency or phase of ac [1, 2006.01]</p> | <p>19/14 • • using combination of fixed frequencies [1, 2006.01]</p> <p>19/16 • in which transmission is by pulses [1, 2006.01]</p> <p>19/18 • • using a variable number of pulses in a train [1, 2006.01]</p> <p>19/20 • • • operating on dynamo-electric devices, e.g. step motor [1, 2006.01]</p> <p>19/22 • • by varying the duration of individual pulses [1, 2006.01]</p> <p>19/24 • • using time shift of pulses [1, 2006.01]</p> <p>19/26 • • by varying pulse repetition frequency [1, 2006.01]</p> <p>19/28 • • using pulse code [1, 2006.01]</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) [1, 2006.01]</p> <p>19/32 • • of one conductor or channel [1, 2006.01]</p> <p>19/34 • • of a combination of conductors or channels [1, 2006.01]</p> <p>19/36 • using optical means to convert the input signal [1, 2006.01]</p> <p>19/38 • using dynamo-electric devices (operated by pulses G08C 19/20) [1, 2006.01]</p> <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 [1, 2006.01]</p> <p>19/42 • • • having three stator poles [1, 2006.01]</p> <p>19/44 • • • having more than three stator poles [1, 2006.01]</p> <p>19/46 • • of which both rotor and stator carry windings (having squirrel-cage rotor G08C 19/40) [1, 2006.01]</p> <p>19/48 • • • being of the type with a three-phase stator and a rotor fed by constant-frequency ac, e.g. selsyn, magclip [1, 2006.01]</p> | <p><b>21/00 Systems for transmitting the position of an object with respect to a predetermined reference system, e.g. tele-autographic system [1, 5, 2006.01]</b></p> |
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## G08C

- 23/00 Non-electric signal transmission systems, e.g. optical systems [1, 2006.01]**
- 23/02 • using acoustic waves [6, 2006.01]
  - 23/04 • using light waves, e.g. infra-red [6, 2006.01]
  - 23/06 • • through light guides, e.g. optical fibres [6, 2006.01]

- 25/00 Arrangements for preventing or correcting errors; Monitoring arrangements [1, 2006.01]**
- 25/02 • by signalling back from receiving station to transmitting station [1, 2006.01]
  - 25/04 • by recording transmitted signals [1, 2006.01]