

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 G01D5/00; means for converting the output of the sensing member into a different variable G01D5/00; self-balancing bridges G01R; position control in general G05D3/00; mechanical control systems G05G; systems for transmitting "on/off" signals only, systems for transmitting alarm conditions G08B; order telegraph systems G08B9/00; generating electric pulses H03K; coding, decoding or code conversion H03M; transmission of digital information H04L; selective calling from one station to another H04Q9/00)

Definition statement

This subclass/group covers:

This group covers mainly systems for the transmission of control signals for remotely controlling devices.

References relevant to classification in this subclass

This subclass/group does not cover:

Fluid pressure transmission system	F15B
Mechanical means for transferring the output of a sensing member into a different variable	G01D 5/00
Mechanical control systems	G05G
Transmission systems of measured/sensed values (telemetry, remote monitoring)	H04Q 9/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

Input arrangements for transferring data to be processed into a form	G06F 3/00
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capable of being handled by the computer	
Handheld casings, especially adapted for remote control	H01H 9/0235
Circuit arrangements for electric light sources in general, linked via wireless transmission	H05B 37/0272
Remote-control arrangements specially adapted for toys	A63H 30/00
Telephone substation equipment for remote control of appliances	H04M 1/72533
Home automation networks	H04L 12/2803
Details of television systems, whereby additional information being controlled by a remote control apparatus	H04N 5/44582
Electronic locks operated with unidirectional data transmission between data carriers and locks.	G07C 9/00182
Electronic locks operated with bidirectional data transmission between data carriers and locks	G07C 9/00309
Details of transmission systems, by remote contro	H04B 1/202
Transmission systems employing electromagnetic waves other than radio waves, e.g. light, infra-red	H04B 10/00
Power saving techniques per se	H04W 52/02
Arrangements for remote connection or disconnection of substations or of equipment thereof	H04L 12/12
Controlling appliance services of a home automation network by calling their functionalities	H04L 12/2816

Reporting information sensed by appliance or service execution status of appliance services in a home automation network	H04L 12/2823
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G08C 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 G01D1/00; systems for control of position involving comparison between actual and desired values G05D3/00; computing G06)

Informative references

Attention is drawn to the following places, which may be of interest for search:

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

G08C 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)

Informative references

Attention is drawn to the following places, which may be of interest for search:

Multiplex transmission in general	H04J
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G08C 17/00

Arrangements for transmitting signals characterized by the use of a wireless electrical link

Definition statement

This subclass/group covers:

This group covers mainly systems for transmitting control signals via a wireless link, without specifying what kind of wireless link (IR, radio, ultrasonic, etc.) is being used.

Special rules of classification within this subgroup

The following features should be allocated the CPC codes for additional information below:

G08C 2201/00	Transmission systems of control signals via wireless link
G08C 2201/10	Power supply of remote control devices
G08C 2201/11	Energy harvesting
G08C 2201/112	Mechanical energy (vibration, piezoelectric)
G08C 2201/114	Solar power
G08C 2201/12	Power saving techniques of remote control/controlled devices
G08C 2201/20	Binding and programming of remote control devices
G08C 2201/21	Programming remote control devices via third means
G08C 2201/30	User interface
G08C 2201/31	Voice input
G08C 2201/32	Remote control based on movements, attitude of remote control device
G08C 2201/33	Remote control using macros, scripts
G08C 2201/34	Context aware guidance
G08C 2201/40	Remote control systems using

	repeaters, converters, gateways
G08C 2201/41	Remote control of gateways
G08C 2201/42	Transmitting/receiving remote control signals via a network
G08C 2201/50	Receiving/transmitting feedback (replies, status updates, acknowledgements) from the controlled devices
G08C 2201/51	Remote controlling of devices based on replies, status thereof, whereby the remote control device and the controlled device communicate via short range communication means
G08C 2201/60	Security, fault tolerance
G08C 2201/61	Password, biometric
G08C 2201/62	Rolling code
G08C 2201/63	Redundant transmissions
G08C 2201/70	Device selection
G08C 2201/71	Directional beams
G08C 2201/90	Additional features
G08C 2201/91	Remote control based on location and proximity
G08C 2201/92	Universal remote control
G08C 2201/93	Remote control using other portable devices (mobile phone, PDA, laptop)
G08C 2201/94	Smart cards

G08C 19/00

Electrical signal transmission systems (G08C17/00 takes precedence)

Definition statement

This subclass/group covers:

This group covers mainly systems for transmitting signals via wires/cables.

G08C 19/28

using pulse code

Definition statement

This subclass/group covers:

This group covers wireless control systems in which the remote control device or the controlled device is learning/teaching the code libraries/code sets.

G08C 19/36

using optical means to convert the input signal (analogue/digital converters per se H03M1/00); [N: optical analogue digital converters G02F7/00; contains no documents, see G01D5/26]

References relevant to classification in this group

This subclass/group does not cover:

Analogue/digital converters	H03M 1/00
Optical analog/digital converter	G02F 7/00 G01D 5/26

G08C 19/38

using dynamo-electric devices (operated by pulses G08C19/20; dynamo-electric machines per se H02K)

References relevant to classification in this group

This subclass/group does not cover:

Operated by pulses	G08C 19/20
Dynamo-electric machines	H02K

G08C 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 G06K11/00)

References relevant to classification in this group

This subclass/group does not cover:

Converting the pattern of mechanical parameters, e.g. force or presence, into electrical signals	G06K 11/00
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G08C 23/00

non-electrical signal transmission systems, e.g. optical systems

Definition statement

This subclass/group covers:

Non-electrical signal transmission systems for transmitting control signals.

G08C 23/02

using infrasonic, sonic or ultrasonic waves

Definition statement

This subclass/group covers:

This group covers non-electrical control signal transmission systems using infrasonic, sonic or ultrasonic waves

G08C 23/04

using light waves, e.g. infra-red

Definition statement

This subclass/group covers:

This group covers systems for transmitting control signals via light waves, infra-red.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Transmission systems employing electromagnetic waves other than radio waves, e.g. light, infra-red	H04B 10/00
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G08C 25/00

Arrangements for preventing or correcting errors; Monitoring arrangements