

G08C

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

Definition statement

This place covers:

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

References

Limiting references

This place 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

Informative references

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

Remote-control arrangements specially adapted for toys	A63H 30/00
Input arrangements for transferring data to be processed into a form capable of being handled by the computer	G06F 3/00
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, infrared	H04B 10/00
Arrangements for remote connection or disconnection of substations or of equipment thereof	H04L 12/12
Home automation networks	H04L 12/2803
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
Telephone substation equipment for remote control of appliances	H04M 1/72415
Details of television systems, whereby additional information being controlled by a remote control apparatus	H04N 21/42204
Transmission systems of measured/sensed values (telemetry, remote monitoring)	H04Q 9/00

Power saving techniques per se	H04W 52/02
Circuit arrangements for electric light sources in general, linked via wireless transmission	H05B 47/19

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Transmission	The dispatching, for reception elsewhere, of a signal, message, or other form of information
Tele-autographic system	System which transmits the handwriting
Wireless	Relating to a system of communication that doesn't use hardwired connections

G08C 13/00

Arrangements for influencing the relationship between signals at input and output, e.g. differentiating, delaying

References

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

References

Informative references

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

Multiplex transmission in general	H04J
-----------------------------------	----------------------

G08C 17/00

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

Definition statement

This place 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

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**Electric signal transmission systems ([G08C 17/00](#) takes precedence)****Definition statement***This place covers:*

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

References**Limiting references***This place does not cover:*

Arrangements for transmitting signals characterised by the use of a wireless electrical link	G08C 17/00
--	----------------------------

G08C 19/28**using pulse code****Definition statement***This place 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 {(characterised by optical transfer means [G01D 5/26](#); optical analogue digital converters [G02F 7/00](#))}****References****Limiting references***This place does not cover:*

Optical analog/digital converter	G01D 5/26,G02F 7/00
----------------------------------	-------------------------------------

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

Analogue/digital converters	H03M 1/00
-----------------------------	---------------------------

G08C 19/38**using dynamo-electric devices (operated by pulses [G08C 19/20](#))****References****Limiting references***This place does not cover:*

Operated by pulses	G08C 19/20
--------------------	----------------------------

Informative references

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

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

References**Informative references**

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

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

G08C 23/00

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

Definition statement

This place covers:

Non-electrical signal transmission systems for transmitting control signals.

G08C 23/02

using infrasonic, sonic or ultrasonic waves

Definition statement

This place covers:

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

G08C 23/04

using light waves, e.g. infrared

Definition statement

This place covers:

This group covers systems for transmitting control signals via light waves, infrared.

References**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, infrared	H04B 10/00
---	----------------------------