

G07C

TIME OR ATTENDANCE REGISTERS; REGISTERING OR INDICATING THE WORKING OF MACHINES; GENERATING RANDOM NUMBERS; VOTING OR LOTTERY APPARATUS; ARRANGEMENTS, SYSTEMS OR APPARATUS FOR CHECKING NOT PROVIDED FOR ELSEWHERE

Definition statement

This place covers:

- Registering, indicating or recording the time of events or elapsed time of events;
- Registering or indicating the condition or the working of machines or other apparatus, other than vehicles;
- Registering or indicating the working of vehicles;
- Details or accessories common to the registering or indicating apparatus of previous groups;
- Individual entry or exit registers;
- Arrangements, systems or apparatus for checking;
- Voting apparatus;
- Generating random numbers; lottery apparatus.

References

Informative references

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

See the list of not covered fields above and in addition:

Finger printing	A61B 5/103
Identification of persons	A61B 5/117
Card, board or roulette games	A63F
Arrangements for preventing use of vehicles	B60R 25/00
Control system for vehicles	B60W
Mechanical locks	E05B
Indicating or recording apparatus for measuring in general, analogous apparatus but in which the input is not a variable to be measured, e.g. a hand operation	G01D
Testing of engines/vehicles	G01M 15/00
Recording devices, per se	G01P 1/12
Clocks, clock mechanisms	G04B , G04C
Time-interval measuring	G04F
Electric testing or monitoring	G05B 23/02
Random number generator, per se	G06F 7/58
Error detection	G06F 11/00
Security of computer systems	G06F 21/00
Data carrier readers	G06K 7/00
Structure of data carrier	G06K 19/00
Counting mechanisms per se	G06M

Recognition of biometric, human-related or animal-related patterns in image or video data	G06V 40/00
Gaming machines	G07F 17/32
Encryption systems	H04L 9/00

G07C 1/00

Registering, indicating or recording the time of events or elapsed time, e.g. time-recorders for work people (registering or indicating the working of machines or vehicles [G07C 3/00](#), [G07C 5/00](#))

Definition statement

This place covers:

Means for recording the time or elapsed time of events of people, without recording the identity.

References

Limiting references

This place does not cover:

Registering or indicating the working of machines or vehicles	G07C 3/00 , G07C 5/00
Clocks or watches	G04B , G04C
Time interval measuring	G04F

Informative references

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

See the list of not covered fields above

Special rules of classification

- Subgroups [G07C 1/20](#) - [G07C 1/32](#) take precedence over subgroups [G07C 1/02](#) - [G07C 1/18](#)
- When the time of events is recorded with the person's identity, e.g. working hours of a person then it is classified in [G07C 1/10](#).
- Registering or indicating the condition or the working of machines or other apparatus, other than vehicles is classified in [G07C 3/00](#);
- Registering or indicating the working of vehicles is classified in [G07C 5/00](#);

G07C 1/02

not involving the registering, indicating or recording of other data

Definition statement

This place covers:

The registering, indicating or recording of the time of event only.

G07C 1/04**wherein the time is indicated in figures****Definition statement***This place covers:*

The time is indicated or displayed in figures.

G07C 1/06**with apparatus adapted for use with individual cards****Definition statement***This place covers:*

Using individual cards and time can be printed directly on the card or recorded on other means.

G07C 1/08**wherein the time is indicated by marking an element, e.g. a card or tape, in position determined by the time****Definition statement***This place covers:*

The time is represented by printing a mark, which can be pre-printed representation of a clock for example.

Can be printed on a card.

G07C 1/10**together with the recording, indicating or registering of other data, e.g. of signs of identity****Definition statement***This place covers:*

The recording or indication of working hours (or real time) including other information like the identification of the person or the location.

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

Registering, indicating, or recording the time of events or elapsed time together with the recording of a continuously-varying variable	G01D
Clocks, clock mechanisms	G04B , G04C
Time - interval measuring	G04F
Administration; management	G06Q 10/00

Special rules of classification

Registering, indicating, or recording the time of events or elapsed time, e.g. time-recorders for work people together with the recording of other data represented by a continuously-varying variable should also be classified in [G01D](#) or the appropriate other subclass of class [G01](#), dependent on the variable.

G07C 1/12

wherein the time is indicated in figures

Definition statement

This place covers:

The time is indicated or displayed in figures.

G07C 1/14

with apparatus adapted for use with individual cards

Definition statement

This place covers:

Using individual cards and time (with additional information) can be printed directly on the card or recorded on other means.

G07C 1/16

wherein the time is indicated by marking an element, e.g. a card or tape, in a position determined by the time

Definition statement

This place covers:

The time is represented by printing a mark, which can be pre-printed representation of a clock for example. Additional information are also printed.

Can be printed on the card.

G07C 1/18

with apparatus adapted for use with individual cards

Definition statement

This place covers:

Time information printed on pre-printed marks is printed on the card.

G07C 1/20

Checking timed patrols, e.g. of watchman

Definition statement

This place covers:

Patrols, e.g. for security, have to "register" at different location to prove their passage; The registration can be done with a card and reader, dedicated mobile device or mobile phones.

Can take place inside a building or on larger scale, in a complete region.

G07C 1/22**in connection with sports or games****Definition statement**

This place covers:

The time recording/registering of sports events in general, not provided by the subclasses [G07C 1/24](#), [G07C 1/26](#) and [G07C 1/28](#).

References**Limiting references**

This place does not cover:

Arrangements for race time recording/indicating are classified in	G07C 1/24
Arrangements for pigeon races are classified in	G07C 1/26
Arrangements for recording/indicating playing time are classified in	G07C 1/28

Informative references

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

Clocks or watches	G04B , G04C
Time interval measuring	G04F

G07C 1/24**Race time-recorders****Definition statement**

This place covers:

Arrangements for recording the time of a race, e.g. marathon or ski downhill.

References**Informative references**

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

Race-finish cameras	G03B 41/00
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Special rules of classification

Arrangements for race time recording/indicating are classified in [G07C 1/24](#).

Arrangements for pigeon races are classified in [G07C 1/26](#).

G07C 1/26**Pigeon-timing or like equipment****Definition statement**

This place covers:

Arrangements specific to the recording of time of pigeon races.

Special rules of classification

Other types of races timing are classified in [G07C 1/24](#).

G07C 1/28**Indicating playing time****Definition statement**

This place covers:

Arrangements for recording/indicating/registering the playing time of a game, like football, tennis. See also groups relating to the specific sports.

G07C 1/30**Parking meters (registering or indicating waiting time of vehicles by means driven by the vehicle [G07C 5/02](#); coin-freed parking meters [G07F 17/24](#))****Definition statement**

This place covers:

Parking meters, without involving payment, installed inside vehicles, like parking discs.

Only individual marking meters, without involving payment, installed inside vehicles are classified in this group

References**Limiting references**

This place does not cover:

Registering or indicating waiting time of vehicles by means driven by the vehicle	G07C 5/02
Parking systems (several parking meters)	G07B 15/02
Coin-freed parking meters i.e. parking meters per se	G07F 17/24

Special rules of classification

Parking systems (comprising several parking meters) are classified in [G07B 15/02](#).

If any payment is involved, the document should be classified in [G07B 15/02](#).

G07C 1/32

Time-recording locks

Definition statement

This place covers:

The lock comprises means for recording the time it has been opened or failed to open. Can comprise counting means or can be opened within a time window.

References

Informative references

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

Electronically operated locks	G07C 9/00174
Mechanical locks	E05B
Locks giving an indication of unauthorised unlocking	E05B 39/00

G07C 3/00

Registering or indicating the condition or the working of machines or other apparatus, other than vehicles

Definition statement

This place covers:

Arrangements for the monitoring of machines or apparatuses other than vehicles in order to record or indicate the condition of working.

Relationships with other classification places

This group does not cover the analysis of the recorded/registered data, which is classified in [G05B 23/00](#) (analysis in general) or [G06F 11/00](#) (error detection).

The monitoring of vehicles, even when it refers to construction machines (vehicles) have to be classified in [G07C 5/00](#).

References

Informative references

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

Registering or indicating the working of vehicles	G07C 5/00
Engine indicators	G01L
Testing apparatus or testing of machines incident to its manufacture	G01M
Centrally controlling a plurality of machines	G05B 19/418
Testing or monitoring of control systems	G05B 23/00
Signalling arrangements per se, e.g. indicating undesired or abnormal working conditions	G08B

G07C 3/005

{during manufacturing process}

Definition statement

This place covers:

Arrangements for monitoring machines or apparatuses used in manufacturing processes (e.g.. drilling machines, robots, milling machines).

G07C 3/02

Registering or indicating working or idle time only

Definition statement

This place covers:

Only working or idle time is recorded or indicated (monitored).

G07C 3/04

using counting means or digital clocks

Definition statement

This place covers:

The arrangement for monitoring machines contains electronic counting means or digital clocks for counting.

G07C 3/045

{Mechanical counters or clocks}

Definition statement

This place covers:

The arrangement for monitoring machines contains mechanical counting means or digital clocks for counting.

G07C 3/06

in graphical form

Definition statement

This place covers:

The indication or registering of working or idle time only is done in graphical form.

G07C 3/08

Registering or indicating the production of the machine either with or without registering working or idle time

Definition statement

This place covers:

Arrangements for monitoring the production of machines or apparatuses (how much they produce).
Can be for a electric generator for example.

G07C 3/10

using counting means

Definition statement

This place covers:

The arrangement for monitoring the production of machines contains counting means.

References**Informative references**

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

Counting mechanisms, per se	G06M
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G07C 3/12

in graphical form

Definition statement

This place covers:

The indication or registering of production of the machines is done in graphical form.

G07C 3/14

Quality control systems

Definition statement

This place covers:

The monitoring of machines other than vehicles is done the purpose of quality control.

References**Informative references**

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

Quality surveillance of production	G05B 19/41875
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G07C 3/143**{Finished product quality control}****Definition statement***This place covers:*

The final product (after production) is checked.

G07C 3/146**{during manufacturing process}****Definition statement***This place covers:*

The product is monitored (checked) during its manufacture.

G07C 5/00**Registering or indicating the working of vehicles****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Details or accessories of vehicle registering devices	G07C 7/00
Arrangements for preventing use of vehicles	B60R 25/00
Control systems of road vehicles	B60W
Registering or indicating the working of vehicles, for measuring distance travelled or combinations of speed and distance	G01C
Engine indicators	G01L
Testing of engines	G01M 15/00
Devices for measuring speed or acceleration	G01P
Electric testing or monitoring of control systems or parts thereof	G05B 23/02

G07C 5/002**{Analysing tachograph charts (arrangements for graph-reading in general [G06K 11/00](#))}****Definition statement***This place covers:*

Vehicle working data are registered on charts and analysed.

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

Arrangements for graph reading, in general	G06K 11/00
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G07C 5/004

{Indicating the operating range of the engine (economical driving [B60R 16/0236](#), [F02B 77/084](#); measuring liquid fuel of an engine [G01F 9/00](#))}

Definition statement

This place covers:

Means for indicating the operating range of the vehicle (can be to the driver or remotely).

References**Informative references**

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

Economical driving control means	B60R 16/0236 , F02B 77/084
Measuring volume of a liquid (e.g.. fuel)	G01F 9/00

G07C 5/006

{Indicating maintenance}

Definition statement

This place covers:

For indicating (to the driver or remotely) that maintenance has to be done.

Special rules of classification

Analysis of vehicle data as such, not classified in this subgroup (see [G05B 23/00](#)).

G07C 5/008

{communicating information to a remotely located station (transmission systems for measured values [G08C](#))}

Definition statement

This place covers:

Arrangements for the transmission of vehicle monitored data to a remote device (computer, network or scan tool). It includes dedicated networks in a maintenance garage or the use of intermediate means for transmission of the information (like a USB stick).

References**Limiting references**

This place does not cover:

Wireless transmission of toll road information	G07B 15/063
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Informative references

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

Transmission systems for measured values	G08C
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\$Indication of vehicle position	G08G 1/123
Secure communication	H04L 9/00

Special rules of classification

The transmission of information dedicated to parking or toll roads systems is classified in [G07B 15/00](#).

The aspect of network security protocols should be classified in [H04L 63/00](#).

The aspect of real-time data switching communication protocols should be classified in [H04L 65/00](#).

The aspects of network protocols for data switching network services [H04L 67/00](#).

G07C 5/02

Registering or indicating driving, working, idle, or waiting time only (apparatus forming part of taximeters [G07B 13/00](#))

Definition statement

This place covers:

Arrangements for only registering/indicating driving, working, idle or waiting time of the vehicle.

References

Limiting references

This place does not cover:

Apparatus forming part of taximeters	G07B 13/00
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Informative references

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

For parking meters	G07F 17/24
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G07C 5/04

using counting means or digital clocks

Definition statement

This place covers:

Arrangement for monitoring vehicles comprising counting means or digital clocks for counting.

G07C 5/06

in graphical form

Definition statement

This place covers:

The registering or indication of working, driving, idle or waiting time are in graphical form.

G07C 5/08

Registering or indicating performance data other than driving, working, idle, or waiting time, with or without registering driving, working, idle or waiting time

Definition statement

This place covers:

Additional information are registered or indicated, like engine performance, temperature.

G07C 5/0808

{Diagnosing performance data (testing of vehicles [G01M 17/00](#); testing of electrical installation on vehicles [G01R 31/005](#))}

Definition statement

This place covers:

Arrangement devices for diagnosing vehicle performance data, either inside vehicle or remotely (e.g.. scan tools); Registering the performance data.

References**Limiting references**

This place does not cover:

Control systems of road vehicles	B60W
Testing of engines	G01M 15/00
Testing of vehicles	G01M 17/00
Testing of vehicle electrical installation	G01R 31/005
Electric testing or monitoring (analysis of data)	G05B 23/02

Special rules of classification

The analysis (process for predicting faults) of the registered data should be classified in [G05B 23/02](#).

G07C 5/0816

{Indicating performance data, e.g. occurrence of a malfunction}

Definition statement

This place covers:

Means for indicating (in vehicle or remotely) the vehicle performance (if there is a malfunction) or advising the driver (e.g.. to change gear).

References**Limiting references**

This place does not cover:

Indication of information inside vehicle, per se	B60R 13/00
Control of vehicles and sub-units	B60W
Electric testing or monitoring (analysis of data)	G05B 23/02

G07C 5/0825**{using optical means}****Definition statement***This place covers:*

The performance indication is optical (e.g.. display).

G07C 5/0833**{using audio means}****Definition statement***This place covers:*

The performance indication is audio (e.g.. loudspeakers).

G07C 5/0841**{Registering performance data (recording measured values [G01D](#); information storage [G11B](#))}****Definition statement***This place covers:*

Means for registering the vehicle performance data.

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

Recording measured values	G01D
Information storage	G11B

Special rules of classificationThe following subgroups take precedence ([G07C 5/0841](#)).**G07C 5/085****{using electronic data carriers}****Definition statement***This place covers:*

Electronic storage means, like black-boxes.

Special rules of classification

The storage of data from digital video cameras is also classified in this group.

G07C 5/0858**{wherein the data carrier is removable}****Definition statement***This place covers:*

Data carrier can be for example, an IC-card or a USB stick

G07C 5/0866**{the electronic data carrier being a digital video recorder in combination with video camera}****Definition statement***This place covers:*

Storage of video data on an electronic data carrier (digital).

For example, digital storage of video taken from the vehicle during an vehicle accident.

G07C 5/0875**{using magnetic data carriers}****Definition statement***This place covers:*

The storage means are magnetic data carriers

G07C 5/0883**{wherein the data carrier is removable}****Definition statement***This place covers:*

Data carrier can be for example, a floppy disk.

G07C 5/0891**{Video recorder in combination with video camera}****Definition statement***This place covers:*

Storage of video data on a magnetic data recorder (like a tape).

Special rules of classificationThe electronic storage of data from digital video cameras is classified in [G07C 5/0866](#).

G07C 5/10**using counting means or digital clocks****Definition statement**

This place covers:

Arrangement for registering vehicles operating data comprising counting means or digital clocks for counting.

G07C 5/12**in graphical form****Definition statement**

This place covers:

The arrangement for registering/indicating vehicles operating data are in graphical form.

G07C 7/00**Details or accessories common to the registering or indicating apparatus of groups [G07C 3/00](#) and [G07C 5/00](#)****Definition statement**

This place covers:

The details or accessories of the registering or indicating device, like connectors, mechanical details of the tachographs, backup battery, mounting means or printing means.

G07C 9/00**Individual registration on entry or exit****Definition statement**

This place covers:

Checking or registering access or egress of articles, persons or other living beings to or from restricted areas or vehicles.

Relationships with other classification places

Systems or arrangements for specific purposes are classified in the following groups:

- Payment systems with user authentication, see [G07F](#) and/or [G06Q 20/00](#)
- Mechanical locks and keys are classified in [E05B](#)
- Security arrangements for protecting computers or computer systems against unauthorised activity, see [G06F 21/00](#)
- Cryptographic protocols, see [H04L 9/00](#)
- The control of access to computing devices is not covered by group [G07C 9/00](#), but instead by group [G06F 21/00](#)
- Network security protocols, see [H04L 63/00](#)
- Real-time communication protocols in data switching networks see [H04L 65/00](#)
- Network protocols for data switching network services see [H04L 67/00](#)

References

Informative references

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

Biometric identification used for diagnostic purposes	A61B 5/117
Systems for preventing unauthorised use or theft of vehicles	B60R 25/00
Electric permutation locks using mechanical keys	E05B 49/00
Turnstiles without registering means	E06B 11/08
Data acquisition and logging	G06F 17/40
Arrangements for recognising patterns	G06F 18/00
Data processing for handling natural language data	G06F 40/00
Arrangements for sensing or reading record carriers	G06K 7/00
Record carriers for use with machines and with at least a part designed to carry digital markings	G06K 19/00
Apparatus actuated by coded identity cards or credit cards, to free or actuate vending, hiring or money-dispensing	G07F 7/08
Access to facilities or services by means of coins or tokens	G07F 17/00
Arrangements actuated by coded cards for dispensing or receiving money and posting such transactions to existing accounts, e.g. automatic teller machines	G07F 19/00
Electric switching	H03K 17/00

Glossary of terms

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

Pass	Any document or data carrier, such as tickets, tags, key fobs, smartphones, microchips, cards, electronic keys, mobile phones or USB sticks.
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G07C 9/00174

{Electronically operated locks; Circuits therefor; Nonmechanical keys therefor, e.g. passive or active electrical keys or other data carriers without mechanical keys (mechanical locks with electric permutation [E05B 49/00](#); arrangements for sensing or reading record carriers [G06K 7/00](#); electronic switching [H03K 17/00](#))}

Definition statement

This place covers:

Locks electronically controlled (e.g.. for building access or vehicles).

References

Informative references

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

Vehicle fittings specially adapted for preventing or indicating unauthorised use or theft of vehicles	B60R 25/00
Mechanical locks and keys with electric permutation	E05B 49/00
Mechanical locks with electric permutation	E05B 49/00
Arrangements for sensing or reading record carriers	G06K 7/00
Electronic switching	H03K 17/00

Special rules of classification

A document mentioning the use of access systems in a vehicle and other use is classified in groups [B60R 25/00](#) and [G07C 9/00174](#).

G07C 9/00182

{operated with unidirectional data transmission between data carrier and locks}

Definition statement

This place covers:

The data transmission is done from the data carrier to the lock.

G07C 9/00309

{operated with bidirectional data transmission between data carrier and locks}

Special rules of classification

Specific communication protocols like Bluetooth® or Wi-Fi® are considered as bidirectional data transmission.

G07C 9/00563

{using personal physical data of the operator, e.g. finger prints, retinal images, voicepatterns}

Definition statement

This place covers:

The door knob or handle contains a biometric reader, for example.

References

Informative references

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

Access control system using biometric data for authentication of the user	G07C 9/25 , G07C 9/37
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G07C 9/00571**{operated by interacting with a central unit}****Definition statement***This place covers:*

At least one electronic lock centrally controlled through a network; one of the locks can be the central controller; the electronic locks can exchange data with the other locks and/or with the central controller; the network can a LAN (or a WLAN) or any kind of network (telecom).

Special rules of classification

Access control systems (not the electronic locks per se) with central registration and control should be classified either in [G07C 9/27](#) or [G07C 9/38](#), depending if they involve the use of a pass or not.

G07C 9/00658**{operated by passive electrical keys}****Definition statement***This place covers:*

The key does not contain any active mean (processor...).

The key is not necessarily physical (e.g.. PIN).

Special rules of classification

In this group ([G07C 9/00658](#) /**B/C/D/F/G**) the equivalent Indexing Code-code take precedence.

G07C 9/00682**{actuated repeatedly}****Definition statement***This place covers:*

Sequential pulses, for example.

G07C 9/0069**{actuated in a predetermined sequence}****Definition statement***This place covers:*

For entering a code (PIN) for example.

G07C 9/00698**{actuated in function of displayed informations}****Definition statement***This place covers:*

Some instructions are displayed.

G07C 9/00706**{with conductive components, e.g. pins, wires, metallic strips}****Definition statement***This place covers:*

Electrical connectors for data transmission between key and lock.

G07C 9/00722**{with magnetic components, e.g. magnets, magnetic strips, metallic inserts
(mechanical locks operated by permanent magnets [E05B 47/0038](#))}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Mechanical locks operated by permanent magnets	E05B 47/0038
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G07C 9/00896**{specially adapted for particular uses}****Definition statement***This place covers:*

- Lockers arrangements, specific systems for houses
- Electronically operated locks of key cabinets (or key cupboards or key-boxes)

Special rules of classificationKey safes (key cabinets, key cupboards or key-boxes) are classified in [E05B 19/0005](#).**G07C 9/00912****{for safes, strong-rooms, vaults or the like}****References****Limiting references***This place does not cover:*

Banking systems with automatic teller machines (ATM)	G07F 19/20
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G07C 9/00944**{Details of construction or manufacture}****Definition statement***This place covers:*

Specific construction of the electronic key or lock.

G07C 9/10

Movable barriers with registering means

Definition statement

This place covers:

Arrangements for controlling the access using turnstiles or the like.

References

Informative references

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

Turnstiles per se	E04H
Arrangements for collecting fares based on distance and with turnstiles	G07B 15/04
Coin-freed aspects	G07F

G07C 9/20

involving the use of a pass

Definition statement

This place covers:

Arrangements where the user possess a data carrier for accessing. The data carrier can be a card, electronic key, mobile phone, USB stick or equivalents.

References

Informative references

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

Electromagnetical or electronical keys and locks	E05B 49/00
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Special rules of classification

For the record carrier itself, see [G06K 19/00](#) and [G06K 7/00](#).

Identification carriers per se, (like passports or ID cards) see [B42D 25/00](#)

G07C 9/21

having a variable access code

Definition statement

This place covers:

The data carrier, used by a person, which contains an access code and which changes every time used (e.g. rolling codes or random codes).

References

Informative references

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

Individual registration involving the use of a pass with central registration	G07C 9/27
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G07C 9/215

{the system having a variable access-code, e.g. varied as a function of time}

Definition statement

This place covers:

Using codes contained in a data carrier being changed based on time (function of time).

G07C 9/22

in combination with an identity check of the pass holder

Definition statement

This place covers:

Any kind of identity verification of the pass-holder that is carried out (PIN, signature, visually or electronically) without specifying any specific method.

References

Informative references

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

Recognition of biometric, human-related or animal-related patterns in image or video data	G06V 40/00
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G07C 9/23

by means of a password

Definition statement

This place covers:

Using any kind of password (PIN, spoken password) for accessing.

References

Informative references

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

Access-control involving the use of a pass in combination with an identity-check of the pass-holder by means of a pass-word in case of payment	G07F 7/00
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G07C 9/24**by means of a handwritten signature****Definition statement***This place covers:*

Using pass-holder's signature for identity verification.

Relationships with other classification placesGroups [G06V 30/32](#), [G06V 30/226](#) and [G06V 40/30](#) take precedence if the disclosure is based on the way the signature is verified.**G07C 9/25****using biometric data, e.g. fingerprints, iris scans or voice recognition****Definition statement***This place covers:*

The use of biometric information of the pass-holder comprising e.g. fingerprints, voice, ADN, face, hand, internal ear, etc.

Relationships with other classification placesGroup [G06V 40/00](#) takes precedence if the disclosure is based on the way the biometrics are analysed.**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Measuring or recording devices for testing the shape, pattern, size or movement of the body or parts thereof per se	A61B 5/103
Speaker or speech identification per se	G10L 17/00

G07C 9/253**{visually}****Definition statement***This place covers:*

Visual checks done by a third party, e.g. security personnel, seller, policeman, etc.

G07C 9/257**{electronically ([G07C 9/26](#) takes precedence)}****Definition statement***This place covers:*

Electronic checks with reference information.

Relationships with other classification places

For cryptography involving biometric data, see [H04L 9/00](#) and classification symbol [H04L 9/3231](#).

References

Limiting references

This place does not cover:

Using a biometric sensor integrated in the pass	G07C 9/26
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Special rules of classification

Indexing Codes under [G07C](#) are used for the following subjects:

Data carriers comprising sensor for capturing personal physical data

Data carrier with sensor

Data carrier with fingerprint sensor

Data carrier with DNA info

G07C 9/27

with central registration

Definition statement

This place covers:

Access control systems with data carrier having a central control or registration, e.g. over a network.

Special rules of classification

Centrally controlled electronically operated locks are classified in [G07C 9/00571](#).

G07C 9/28

the pass enabling tracking or indicating presence

Definition statement

This place covers:

Tracking users with data carriers, e.g. RFIDs, inside a facility.

Identification means with home arrest means.

Relationships with other classification places

For home arrest as such, consult also [G08B 21/22](#).

References

Informative references

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

Means for indicating the location of accidentally buried persons	A63B 29/02
Identification by using radar means	G01S 13/02 , G01S 13/74

Detecting presence by using magnetic or electric fields produced or modified by objects in general	G01V 3/08 , G01V 3/165
Tracking of objects, for inventory purpose	G06Q 10/0833

G07C 9/29

the pass containing active electronic elements, e.g. smartcards

Definition statement

This place covers:

The pass that has several functions, for example, for access and payment purposes.

References

Informative references

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

Record carriers used within a machine	G06K 19/06
Active credit cards	G07F 7/08

G07C 9/30

not involving the use of a pass

Definition statement

This place covers:

- Arrangements for access control without the use of any data carrier by the requester.
- Use of access code or other means for checking the authorisation.

References

Informative references

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

Permutation locks	E05B 49/00
Access to facilities or services by means of coins or tokens	G07F 17/00

G07C 9/32

in combination with an identity check

Definition statement

This place covers:

Any kind of authorization verification of the person that is carried out (PIN, signature, visually or electronically) without specifying any specific method.

G07C 9/33**by means of a password****Definition statement***This place covers:*

The access needs by the use of any kind of password (PIN, spoken password) for accessing.

G07C 9/37**using biometric data, e.g. fingerprints, iris scans or voice recognition****Definition statement***This place covers:*

The use of biometric information of the pass-holder comprising (fingerprints, voice, ADN, face, hand, internal ear)

Relationships with other classification places

For cryptography involving biometric data, see [H04L 9/00](#) and classification symbol [H04L 9/3231](#).

Recognition of biometric, human-related or animal-related patterns in image or video data, see [G06V 40/00](#).

G07C 9/38**with central registration****Definition statement***This place covers:*

Access control systems, not using a data carrier and having a central control or registration, (e.g. over a network).

G07C 11/00**Arrangements, systems or apparatus for checking, e.g. the occurrence of a condition, not provided for elsewhere****Definition statement***This place covers:*

- Queuing systems in a shop, administration or attraction park (determination of waiting time in the queue);
- Electronic guide tour in museums (mobile device providing audio or visual information to visitors).

References**Informative references**

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

Electronically operated locks of key cabinets (or key cupboards or key-boxes)	G07C 9/00896
Key safes (key cabinets, key cupboards or key-boxes)	E05B 19/0005
Administration, reservation or management	G06Q 10/00

Signalling or alarm arrangements	G08B
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G07C 13/00

Voting apparatus

Definition statement

This place covers:

All kind of voting systems (electronic, local, remote, by post mail or through internet).

Relationships with other classification places

For cryptographic aspects, see [H04L 9/30](#) or [H04L 9/32](#).

References

Informative references

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

Arrangements for monitoring user's behaviour or opinion	H04H 60/33
Cryptographic aspects	H04L 9/30 , H04L 9/32

G07C 13/005

{operating mechanically}

Definition statement

This place covers:

Mechanical arrangements for voting.

G07C 13/02

Ballot boxes

Definition statement

This place covers:

All kind of ballot boxes.

G07C 15/00

Generating random numbers; Lottery apparatus

Definition statement

This place covers:

Arrangements for generating random numbers and not covered by the subgroups.

References

Informative references

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

Games in general, e.g. card, board or roulette games	A63F
Digital computer arrangements for generating random or pseudo-random numbers	G06F 7/58
Gaming machines involving electronic lottery games	G07F 17/32
Generating electric pulses at random intervals	H03K 3/84

G07C 15/001

{with balls or the like}

Definition statement

This place covers:

Arrangements for random generators using balls or equivalent.

G07C 15/003

{hand-held}

Definition statement

This place covers:

Portable random generators using balls or equivalent.

G07C 15/005

{with dispensing of lottery tickets}

Definition statement

This place covers:

Arrangements for dispensing tickets in a random way.

References

Informative references

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

in case of paper tickets:

Details for cutting-off or separating tickets	G07B 5/02
Holders for providing access to tickets	G07B 7/00

G07C 15/006

{electronically}

Definition statement

This place covers:

Arrangements for electronically generating random numbers.

Relationships with other classification places

The specific electronic circuits are classified in [G06F 7/58](#)

G07C 15/008

{electronic dies}

Definition statement

This place covers:

Electronic dices;

Means for reading the dices (like cameras or sensors).