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 (identification of persons A61B 5/117; 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; clocks, clock mechanisms G04B, G04C; time-interval measuring G04F; counting mechanisms per se G06M)

WARNING
In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

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)

NOTE
Subgroups G07C 1/20 - G07C 1/32
take precedence over subgroups G07C 1/02 - G07C 1/18

1/02 . . not involving the registering, indicating or recording of other data
1/04 . . wherein the time is indicated in figures
1/06 . . . with apparatus adapted for use with individual cards
1/08 . . wherein the time is indicated by marking an element, e.g. a card or tape, in a position determined by the time
1/10 . . together with the recording, indicating or registering of other data, e.g. of signs of identity (together with the recording of a continuously-varying variable G01D or the appropriate other subclass of G01, dependent on the variable)
1/12 . . wherein the time is indicated in figures
1/14 . . . with apparatus adapted for use with individual cards
1/16 . . wherein the time is indicated by marking an element, e.g. a card or tape, in a position determined by the time
1/18 . . . with apparatus adapted for use with individual cards
1/20 . . Checking timed patrols, e.g. of watchman
1/22 . . in connection with sports or games
1/24 . . Race time-recorders (race-finish cameras G03B 41/00)
1/26 . . Pigeon-timing or like equipment
1/28 . . Indicating playing time

1/30 . . Parking meters (registering or indicating waiting time of vehicles by means driven by the vehicle G07C 5/02; coin-free parking meters G07F 17/24)
1/32 . . Time-recording locks (locks giving indication of unauthorised unlocking E05B 39/00)
3/00 Registering or indicating the condition or the working of machines or other apparatus, other than vehicles (engine indicators G01L; testing apparatus incident to its manufacture G01M; signalling arrangements per se, indicating undesired or abnormal working conditions G08B)
3/005 . . [during manufacturing process]
3/02 . . Registering or indicating working or idle time only
3/04 . . . using counting means or digital clocks
3/045 . . . [Mechanical counters or clocks]
3/06 . . . in graphical form
3/08 . . Registering or indicating the production of the machine either with or without registering working or idle time
3/10 . . . using counting means (counting mechanisms per se G06M)
3/12 . . . in graphical form
3/14 . . Quality control systems
3/143 . . . [Finished product quality control]
3/146 . . . [during manufacturing process]
5/00 Registering or indicating the working of vehicles (for measuring distance travelled or combinations of speed and distance G01C; engine indicators G01L; devices for measuring speed or acceleration G01P)
5/002 . . [Analysing tachograph charts (arrangements for graph-reading in general G06K 11/00)]
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)]
5/006 . . [Indicating maintenance]
This group covers biometric identification used for electronic switching arrangements for

NOTES

Individual entry or exit registers

1. This group covers: controlling and registering access of persons to restricted areas or devices

2. This group does not cover: electronic permutation locks using mechanical keys, covered by E05B 49/00; apparatus actuated by coded identity cards or credit cards, to free or activate vending, hiring or money-dispensing, covered by G07F 7/08; access to facilities or services by means of coins or tokens, covered by 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, covered by G07F 19/00

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

G06F 1/00 access to data processing equipment

G06K 7/00, G06K 19/00 arrangements for sensing or reading record carriers

H03K 17/00 electronic switching

G06K 9/00 biometric sensors, recognising biometric patterns

A61B 5/117 biometric identification used for diagnostic purposes

G06K 9/00182

G07C 1. This group covers

biometric identification used for electronic switching arrangements for

Details or accessories common to the registering or indicating apparatus of groups G07C 3/00 and G07C 5/00

9/00 Individual entry or exit registers

NOTES

1. This group covers:

- controlling and registering access of persons to restricted areas or devices

2. This group does not cover:

- electronic permutation locks using mechanical keys, covered by E05B 49/00;

this group does not cover:

- apparatus actuated by coded identity cards or credit cards, to free or activate vending, hiring or money-dispensing, covered by G07F 7/08;

- access to facilities or services by means of coins or tokens, covered by 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, covered by G07F 19/00

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

- G06F 1/00 access to data processing equipment

- G06K 7/00, G06K 19/00 arrangements for sensing or reading record carriers

- H03K 17/00 electronic switching

- G06K 9/00 biometric sensors, recognising biometric patterns

- A61B 5/117 biometric identification used for diagnostic purposes

- G06K 9/00182
[the keyless data carrier having only one limited data transmission range]

[the keyless data carrier having more than one limited data transmission range]

[the keyless data carrier being hand operated]

[by one push button]

[by more than one push button]

[with encryption of the transmitted data signal]

[the transmitted data signal containing a code which is changed]

[periodically, e.g. after a time period]

[dynamically, e.g. variable code - rolling code]

[the keyless data carrier having more than one function]

[opening and locking of all locks at the same time]

[opening of different locks separately]

[immobilizer]

[anti-theft]

[starting ignition]

[operated by interacting with a central unit]

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

[operated by by wireless communication]

[by using inductive transmission]

[by using capacitive transmission]

[by using optical transmission]

[Power supply for the lock]

[by battery]

[by solar energy]

[operated by passive electrical keys]

[with dials]

[with switch-buttons]

[actuated repeatedly]

[actuated in a predetermined sequence]

[actuated in function of displayed informations]

[with conductive components, e.g. pins, wires, metallic strips]

[with passive electrical components, e.g. resistor, capacitor, inductor]

[with magnetic components, e.g. magnets, magnetic strips, metallic inserts (mechanical locks operated by permanent magnets E05B 47/0038)]

[actuating magnetically controlled switches, e.g. reed relays]

[sensed by Hall effect devices]

[by knocking on a surface for inputting the code, e.g. detecting a series of taps on a surface]

[by active electrical keys]

[by battery]

[starting ignition]

[anti-theft]

[by induction]

[by light]

[by Hertzian waves]

[by acoustic waves]

[with data transmission through the human body]

[where the code of the lock can be programmed]

[remotely by lines or wireless communication]

[by code input from switches]

[by a portable device]

[programming by learning]

[where the code of the data carrier can be programmed]

[remotely by wireless communication]

[by code input from the lock]

[centrally]

[programming by learning]

[specially adapted for particular uses]
Indexing scheme relating to group G07C 9/00944

Indexing scheme relating to groups

G07C 9/00007 - G07C 9/00119

G07C 9/00174 - G07C 9/00944

Indexing scheme relating to group G07C 5/00

Indexing scheme relating to groups

G07C 9/00007 - G07C 9/00119

Turnstiles with registering means (turnstiles per se E04H; coin-freed aspects G07F)

Arrangements, systems, or apparatus for checking, e.g. the occurrence of a condition, not provided for elsewhere (signalling or alarm arrangements G08B)

11/00

13/00 Voting apparatus

13/005 . operating mechanically

13/02 . Ballot boxes

15/00 Generating random numbers; Lottery apparatus

({games in general A63F;} digital computer arrangements for generating random or pseudo-random numbers G06F 7/58; generating electric pulses at random intervals H03K 3/84)

15/001 . with balls or the like

15/003 . hand-held

15/005 . with dispensing of lottery tickets

15/006 . electronically

15/008 . electronic dies

Indexing scheme relating to groups

G07C 9/00007 - G07C 9/00119

with means for the generation of identity documents

Indexing scheme relating to groups

G07C 9/00007 - G07C 9/00119

Comprising means for protecting or securing the privacy of biometric data, e.g. cancellable biometrics

Comprising locating means for detecting the position of the data carrier, i.e. within the vehicle or within a certain distance from the vehicle

using means for sensing the user's hand

using a proximity sensor

using means for the generation of identity documents

Using synchronization or resynchronization between transmitter and receiver; reordering of codes

With time considerations, e.g. temporary activation, valid time window or time limitations

Comprising means for protocol conversion, i.e. format conversion

Comprising means for protecting or securing the privacy of biometric data, e.g. cancellable biometrics

With a sequence of inputs of different identification information

Comprising means for indicating the status of the lock

Comprising locating means for detecting the position of the data carrier, i.e. within the vehicle or within a certain distance from the vehicle

using a proximity sensor

using means for sensing the user's hand

with means for the generation of identity documents

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