### 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

#### 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/00</td>
<td>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])</td>
</tr>
<tr>
<td>1/02</td>
<td>. . not involving the registering, indicating or recording of other data</td>
</tr>
<tr>
<td>1/04</td>
<td>. . wherein the time is indicated in figures</td>
</tr>
<tr>
<td>1/06</td>
<td>. . with apparatus adapted for use with individual cards</td>
</tr>
<tr>
<td>1/08</td>
<td>. . wherein the time is indicated by marking an element, e.g. a card or tape, in position determined by the time</td>
</tr>
<tr>
<td>1/10</td>
<td>. . 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)</td>
</tr>
<tr>
<td>1/12</td>
<td>. . wherein the time is indicated in figures</td>
</tr>
<tr>
<td>1/14</td>
<td>. . with apparatus adapted for use with individual cards</td>
</tr>
<tr>
<td>1/16</td>
<td>. . wherein the time is indicated by marking an element, e.g. a card or tape, in a position determined by the time</td>
</tr>
<tr>
<td>1/18</td>
<td>. . with apparatus adapted for use with individual cards</td>
</tr>
<tr>
<td>1/20</td>
<td>. . Checking timed patrols, e.g. of watchman</td>
</tr>
<tr>
<td>1/22</td>
<td>. . in connection with sports or games</td>
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<tr>
<td>1/24</td>
<td>. . Race time-recorders (race-finish cameras [G03B 41/00])</td>
</tr>
<tr>
<td>1/26</td>
<td>. . Pigeon-timing or like equipment</td>
</tr>
<tr>
<td>1/28</td>
<td>. . Indicating playing time</td>
</tr>
<tr>
<td>1/30</td>
<td>. 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])</td>
</tr>
<tr>
<td>1/32</td>
<td>. Time-recording locks (locks giving indication of unauthorised unlocking [E05B 39/00])</td>
</tr>
<tr>
<td>3/00</td>
<td>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])</td>
</tr>
<tr>
<td>3/02</td>
<td>. Registering or indicating working or idle time only</td>
</tr>
<tr>
<td>3/04</td>
<td>. . using counting means or digital clocks</td>
</tr>
<tr>
<td>3/045</td>
<td>. . . [Mechanical counters or clocks]</td>
</tr>
<tr>
<td>3/06</td>
<td>. . in graphical form</td>
</tr>
<tr>
<td>3/08</td>
<td>. Registering or indicating the production of the machine either with or without registering working or idle time</td>
</tr>
<tr>
<td>3/10</td>
<td>. . using counting means (counting mechanisms per se [G06M])</td>
</tr>
<tr>
<td>3/12</td>
<td>. . in graphical form</td>
</tr>
<tr>
<td>3/14</td>
<td>. Quality control systems</td>
</tr>
<tr>
<td>3/143</td>
<td>. . [Finished product quality control]</td>
</tr>
<tr>
<td>3/146</td>
<td>. . [during manufacturing process]</td>
</tr>
<tr>
<td>5/00</td>
<td>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])</td>
</tr>
<tr>
<td>5/002</td>
<td>. [Analysing tachograph charts (arrangements for graph-reading in general [G06K 11/00])]</td>
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<tr>
<td>5/004</td>
<td>. [Indicating the operating range of the engine (economical driving [B60R 16/0236], [F02B 77/084]; measuring liquid fuel of an engine [G01F 9/00])]</td>
</tr>
<tr>
<td>5/006</td>
<td>. [Indicating maintenance]</td>
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</tbody>
</table>
3. Attention is drawn to the following places, which may be of interest for search:

- **G06K 7/00, G06K 19/00** arrangements for sensing or reading record carriers
- **H03K 17/000** electronic switching
- **G06K 9/00** biometric sensors, recognising biometric patterns
- **A61B 5/117** biometric identification used for diagnostic purposes

**G06F 1/00** access to data processing equipment

- **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 7/000, G06K 9/00**; electronic switching **H03K 17/000**)
- **9/00182** (operated with unidirectional data transmission between data carrier and locks)
  - **2009/0019** (the keyless data carrier having only one limited data transmission range)
  - **2009/00198** (the keyless data carrier having more than one limited data transmission range)
  - **2009/00206** (the keyless data carrier being hand operated)
  - **2009/00214** (by one push button)
  - **2009/00222** (by more than one push button)
  - **2009/0023** (with encryption of the transmitted data signal)
  - **2009/00238** (the transmitted data signal containing a code which is changed)
  - **2009/00246** (periodically, e.g. after a time period)
  - **2009/00253** (dynamically, e.g. variable code - rolling code)
  - **2009/00261** (the keyless data carrier having more than one function)
  - **2009/00269** (opening and locking of all locks at the same time)
  - **2009/00277** (opening of different locks separately)
  - **2009/00285** (immobilizer)
  - **2009/00293** (anti-theft)
  - **2009/00301** (starting ignition)
  - **9/00309** (operated with bidirectional data transmission between data carrier and locks)
  - **2009/00317** (keyless data carrier having only one limited data transmission range)
  - **2009/00325** (and the lock having only one limited data transmission range)
  - **2009/00333** (and the lock having more than one limited data transmission range)
  - **2009/00341** (keyless data carrier having more than one limited data transmission range)
  - **2009/00349** (and the lock having only one limited data transmission range)
  - **2009/00357** (and the lock having more than one limited data transmission range)
  - **2009/00365** (in combination with a wake-up circuit)
  - **2009/00373** (whereby the wake-up circuit is situated in the lock)
  - **2009/0038** (whereby the wake-up circuit is situated in the keyless data carrier)
  - **2009/00388** (code verification carried out according to the challenge/response method)
  - **2009/00396** (starting with prompting the keyless data carrier)
  - **2009/00404** (starting with prompting the lock)
  - **2009/00412** (the transmitted data signal being encrypted)
  - **2009/0042** (the transmitted data signal containing a code which is changed)
  - **2009/00428** (periodically after a time period)
  - **2009/00436** (by the system)
  - **2009/00444** (by the key)
  - **2009/00452** (by the lock)
  - **2009/0046** (randomly)
WARNING

Group G07C 9/21 is incomplete pending reclassification of documents from group G07C 9/27.

Groups G07C 9/27 and G07C 9/21 should be considered in order to perform a complete search.

9/215 . . . [the system having a variable access-code, e.g. varied as a function of time]
9/22 . . . in combination with an identity check of the pass holder
9/23 . . . by means of a password
9/24 . . . by means of a handwritten signature
9/243 . . . [visually, e.g. by comparing in a viewer the written signature with a reference on the pass]
9/247 . . . [electronically, e.g. by comparing signal of hand-writing with a reference signal from the pass]
9/25 . . . using biometric data, e.g. fingerprints, iris scans or voice recognition
9/253 . . . [visually]
9/257 . . . [electronically (G07C 9/26 takes precedence)]
9/26 . . . using a biometric sensor integrated in the pass
WARNING

Group G07C 9/27 is impacted by reclassification into group G07C 9/21. Groups G07C 9/27 and G07C 9/21 should be considered in order to perform a complete search.

9/28 . . the pass enabling tracking or indicating presence
9/29 . . the pass containing active electronic elements, e.g. smartcards
9/30 . . not involving the use of a pass
9/32 . . in combination with an identity check
9/33 . . by means of a password
9/35 . . by means of a handwritten signature
9/37 . . using biometric data, e.g. fingerprints, iris scans or voice recognition
9/38 . . with central registration

11/00 Arrangements, systems, or apparatus for checking, e.g. the occurrence of a condition, not provided for elsewhere (signalling or alarm arrangements G08B)

2011/02 . . (related to amusement parks)
2011/04 . . (related to queuing systems)

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 dice)