

G07 CHECKING-DEVICES**G07B TICKET-ISSUING APPARATUS; FARE-REGISTERING APPARATUS; FRANKING APPARATUS****Subclass Index**

MACHINES FOR PRINTING OR ISSUING TICKETS; DETAILS THEREOF.....	1/00, 3/00; 5/00	TAXIMETERS; APPARATUS FOR COLLECTING FARES OR FEES	13/00; 15/00
OTHER APPARATUS OR SYSTEMS CONCERNING TICKETS		FRANKING APPARATUS	17/00
Holders; punches; validating; cancelling	7/00; 9/00; 11/00		
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1/00 Machines for printing and issuing tickets (printing mechanisms <i>per se</i> B41; output mechanisms of digital computers G06C 11/00)		11/03	. . by printing [2]
1/02 . employing selectable printing plates		11/05	. . by perforating [2]
1/04 . . wherein the plates are inserted		11/07	. . by separating part of ticket [2]
1/06 . without selectable printing plates		11/09	. . . combined with receptacle for separated part of ticket (refuse receptacles in general B65F 1/00) [2]
1/08 . portable		11/11	. for cancelling tickets [2]
3/00 Machines for issuing preprinted tickets		13/00 Taximeters (measuring distance travelled G01C; measuring time G04)	
3/02 . from stock in wound strip form		13/02	. Details; Accessories
3/04 . from a stack		13/04	. . for indicating fare or state of hire
5/00 Details of, or auxiliary devices for, ticket-issuing machines (for validating inserted tickets G07B 11/02)		13/06	. . Driving arrangements
5/02 . for cutting-off or separating tickets		13/08	. . Tariff-changing arrangements
5/04 . for recording or registering tickets issued		13/10	. . . automatically actuated
5/06 . for preventing fraudulent operation		15/00 Arrangements or apparatus for collecting fares, tolls, or entrance fees at a control point (coin-handling aspects G07D; vending or hiring apparatus actuated by tokens or tickets G07F 7/00, G07F 17/00)	
5/08 . for avoiding incorrect action of the machine		15/02	. with provision for taking into account a variable factor such as distance or time, e.g. for passenger transport
5/10 . . indicating when ticket supply is exhausted		15/04	. . comprising devices to free a barrier, turnstile, or the like (coin-freed turnstiles in general G07C 9/00)
5/12 . allowing manual writing on the tickets		17/00 Franking apparatus (printing aspects B41)	
7/00 Holders providing direct manual access to the tickets		17/02	. with means for computing or counting
9/00 Ticket punches (perforating pliers B26F 1/36; marking record carriers in digital fashion by punching G06K 1/02)		17/04	. with means for avoiding misuse
9/02 . Toy ticket-punches			
11/00 Apparatus for validating or cancelling issued tickets [2]			
11/02 . for validating inserted tickets			

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, e.g. finger-printing, foot-printing, 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)

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REGISTERING TIME OF EVENTS OR ELAPSED TIME.....	1/00	INDIVIDUAL ENTRY OR EXIT REGISTERS	9/00
REGISTERING THE WORKING OF MACHINES; OF VEHICLES; DETAILS THEREOF	3/00; 5/00; 7/00	CHECKING APPARATUS NOT PROVIDED FOR ELSEWHERE.....	11/00
		VOTING APPARATUS; GENERATING RANDOM NUMBERS, LOTTERY APPARATUS	13/00; 15/00

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

Groups G07C 1/20 to G07C 1/32 take precedence over groups G07C 1/02 to G07C 1/10.

- 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 class 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-freed 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)
- 3/02 . Registering or indicating working or idle time only

- 3/04 . . using counting means or digital 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
- 3/12 . . in graphical form
- 3/14 . Quality control systems

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; apparatus forming part of taximeters G07B)

- 5/02 . Registering or indicating driving, working, idle, or waiting time only
- 5/04 . . using counting means or digital clocks
- 5/06 . . in graphical form
- 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
- 5/10 . . using counting means or digital clocks
- 5/12 . . in graphical form

7/00 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

- 9/02 . Turnstiles with registering means (coin-freed aspects G07F)

11/00 Arrangements, systems, or apparatus for checking, e.g. the occurrence of a condition, not provided for elsewhere (for checking lottos or bingo games A63F 3/06; signalling or alarm arrangements G08B)

13/00 Voting apparatus

- 13/02 . Ballot boxes

15/00 Generating random numbers; Lottery apparatus (digital computer arrangements for generating random or pseudo-random numbers G06F 7/58; generating electric pulses at random intervals H03K 3/84) [3]

G07D SORTING, TESTING, CHANGING, DELIVERING, OR OTHERWISE HANDLING COINS; TESTING OR CHANGING PAPER CURRENCY; TESTING SECURITIES, BONDS, OR SIMILAR VALUABLE PAPERS (sorting in general B07C) [2]

Note

In this subclass, the following term is used with the meaning indicated:

- “coins” covers also tokens or the like.

1/00 Coin deliverers

- 1/02 . giving change (coin-actuated mechanisms in general G07F)
- 1/04 . . dispensing change equal to a sum deposited

- 1/06 . . dispensing the difference between a sum paid and a sum charged
- 1/08 . . hand actuated

3/00 Apparatus separating a mixed bulk of currency into its denominations (sorting by coin weight G01G) [1,7]

- 3/02 . Sorting by means of graded apertures
- 3/04 . . arranged on an inclined rail
- 3/06 . . arranged along a circular path
- 3/08 . . arranged on a helix
- 3/10 . . provided by sieves arranged in series
- 3/12 . Sorting by means of stepped deflectors
- 3/14 . driven under control of coin-sensing elements
- 3/16 . combined with coin-counting apparatus

5/00 Testing specially adapted to determine the identity or genuineness of coins, e.g. for segregating coins which are unacceptable or alien to a currency (apparatus separating a mixed bulk of currency into its denominations G07D 3/00) [1,7]**Note**

In groups G07D 5/02 to G07D 5/10, in the absence of an indication to the contrary, classification is made in the last appropriate place. [3]

- 5/02 . Testing the dimensions, e.g. thickness, diameter; Testing the deformation [3]
- 5/04 . Testing the weight [3]
- 5/06 . Testing the hardness or elasticity [3]
- 5/08 . Testing the magnetic or electric properties [3]
- 5/10 . Testing the rim, e.g. the milling of the rim [3]

7/00 Testing paper currency, securities, bonds, or similar valuable papers for genuineness (methods or arrangements for verifying the correctness of markings on a record carrier G06K 5/00) [2]**Note**

Groups G07D 7/16 to G07D 7/20 take precedence over groups G07D 7/02 to G07D 7/14 [7]

- 7/02 . using electric means (G07D 7/04, G07D 7/06 take precedence) [7]
- 7/04 . using magnetic means, e.g. detection of magnetic imprint [7]
- 7/06 . using wave or particle radiation [7]
- 7/08 . . Acoustic waves [7]
- 7/10 . . Microwaves [7]
- 7/12 . . Visible light, infra-red or ultra-violet radiation [7]
- 7/14 . using chemical means [7]
- 7/16 . Testing the dimensions [7]
- 7/18 . Testing the stiffness [7]
- 7/20 . Testing patterns thereon [7]

9/00 Devices for facilitating the handling of coins, not provided for in groups G07D 1/00 to G07D 5/00, G07D 11/00 or G07D 13/00 (of paper currency B65H); **Devices for counting coins** (counting by weighing G01G; counting paper currency G06M)

- 9/02 . Change trays
- 9/04 . Hand- or motor-driven devices for counting coins (counting mechanisms in general G06M)
- 9/06 . Devices for stacking or otherwise arranging coins on a support, e.g. apertured plate for use in counting coins

11/00 Devices accepting coins or paper currencies, e.g. depositing machines (coin-freed or like apparatus G07F, e.g. complete banking systems G07F 19/00) [5]**13/00 Handling coins or paper currencies characterised by a combination of mechanisms not covered by a single one of groups G07D 1/00 to G07D 11/00** (handling coins or paper currencies in combination with coin-freed or like apparatus G07F) [5]**G07F COIN-FREED OR LIKE APPARATUS** (coin sorting G07D 3/00; coin testing G07D 5/00) [1,7]**Notes**

- (1) This subclass does not cover constructions or details of apparatus which includes, or is combined with, coin-actuated mechanisms but is not specially adapted or modified for use therewith. Such constructions or details are covered by the relevant subclass for the particular apparatus.
- (2) In this subclass, the following term is used with the meaning indicated:
 - “coins” covers also tokens or the like.

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ARRANGEMENTS OR MECHANISMS IN GENERAL

Coin inlet; coin actuation; others..... 1/00; 5/00;
7/00

APPARATUS CHARACTERISED BY THE APPLICATION

Dispensing; metering; hiring..... 11/00, 13/00;
15/00; 17/00

COMPLETE BANKING SYSTEMS 19/00

DETAILS NOT PECULIAR TO SPECIAL KINDS OR TYPES OF APPARATUS..... 9/00

1/00 Coin inlet arrangements; Coins specially adapted to operate coin-freed mechanisms (coins in general A44C)

- 1/02 . Coin slots

- 1/04 . Coin chutes
- 1/06 . Coins specially adapted to operate coin-freed mechanisms

5/00 Coin-actuated mechanisms; Interlocks

- 5/02 . actuated mechanically by coins, e.g. by a single coin

G07F

- 5/04 . . . wherein two or more coins of the same denomination are required for each transaction
- 5/06 . . . wherein two or more coins of different denominations are required for each transaction
- 5/08 . . . wherein the use of two or more coins or an equivalent single coin is optional for each transaction; wherein the use of two or more coins or an alternative equivalent combination of coins is optional for each transaction
- 5/10 . . . actuated electrically by the coin, e.g. by a single coin
- 5/12 . . . wherein two or more coins of the same denomination are required for each transaction
- 5/14 . . . wherein two or more coins of different denominations are required for each transaction
- 5/16 . . . wherein the use of two or more coins or an equivalent single coin is optional for each transaction; wherein the use of two or more coins or an alternative equivalent combination of coins is optional for each transaction
- 5/18 . . . specially adapted for controlling several coin-freeed apparatus from one place (interlocks G07F 5/26)
- 5/20 . . . specially adapted for registering coins as credit, e.g. mechanically actuated
- 5/22 . . . electrically actuated
- 5/24 . . . with change-giving (coin-changing mechanisms per se G07D)
- 5/26 . . . Interlocks, e.g. for locking the doors of compartments other than that to be used

- 7/00 Mechanisms actuated by objects other than coins to free or to actuate vending, hiring, coin or paper currency dispensing or refunding apparatus** (complete banking systems G07F 19/00; handling coins or paper currencies apart from coin-freeed or like apparatus G07D) [2]
- 7/02 . . . by keys or other credit registering devices (for producing a coded signal for use together with coded identity cards G07F 7/10) [2]
- 7/04 . . . by paper currency
- 7/06 . . . by returnable containers, e.g. bottles
- 7/08 . . . by coded identity card or credit card [2]
- 7/10 . . . together with a coded signal [2]
- 7/12 . . . Card verification [5]

- 9/00 Details other than those peculiar to special kinds or types of apparatus** (coin inlet arrangements G07F 1/00; coin-actuated mechanisms, interlocks G07F 5/00)
- 9/02 . . . Devices for alarm or indication, e.g. when empty; Advertising arrangements in coin-freeed apparatus (alarms or warning devices indicating the interruption of flow to be metered G07F 15/10)
- 9/04 . . . Means for returning surplus or unused coins
- 9/06 . . . Coin boxes
- 9/08 . . . Counting total of coins inserted
- 9/10 . . . Casings, e.g. with means for heating or cooling

- 11/00 Coin-freeed apparatus for dispensing, or the like, discrete articles**
- 11/02 . . . from non-movable magazines
- 11/04 . . . in which magazines the articles are stored one vertically above the other
- 11/06 . . . supported individually on pivotally-mounted flaps or shelves
- 11/08 . . . arranged in two columns in staggered relationship
- 11/10 . . . two or more magazines having a common delivery chute

- 11/12 . . . with means for automatically changing to reserve stacks
- 11/14 . . . with means for raising the stack of articles to permit delivery of the topmost
- 11/16 . . . Delivery means
- 11/18 . . . Recessed drawers
- 11/20 . . . Pushers actuated directly by hand
- 11/22 . . . Pushers actuated indirectly by hand, e.g. through cranks or levers
- 11/24 . . . Rotary or oscillatory members
- 11/26 . . . Endless bands
- 11/28 . . . in which the magazines are inclined
- 11/30 . . . two or more magazines having independent delivery
- 11/32 . . . two or more magazines having a common delivery chute
- 11/34 . . . in which the magazines are of zig-zag form
- 11/36 . . . in which the magazines are of helical or spiral form
- 11/38 . . . in which the magazines are horizontal
- 11/40 . . . the articles being delivered by hand-operated means
- 11/42 . . . the articles being delivered by motor-driven means
- 11/44 . . . in which magazines the articles are stored in bulk
- 11/46 . . . from movable storage containers or supports
- 11/48 . . . the storage containers or supports, e.g. magazine, being pivotally mounted (articles supported on pivotally-mounted flaps or shelves in magazines G07F 11/06)
- 11/50 . . . the storage containers or supports being rotatably mounted
- 11/52 . . . about horizontal axes
- 11/54 . . . about vertical axes
- 11/56 . . . the storage containers or supports both rotating and moving axially
- 11/58 . . . the articles being supported on or by endless belts or like conveyers
- 11/60 . . . the storage containers or supports being rectilinearly movable (endless belts or like conveyers G07F 11/58)
- 11/62 . . . in which the articles are stored in compartments in fixed receptacles
- 11/64 . . . in which the articles are individually suspended from stationary supports
- 11/66 . . . in which the articles are dispensed by cutting from a mass
- 11/68 . . . in which the articles are torn or severed from strips or sheets
- 11/70 . . . in which the articles are formed in the apparatus from components, blanks, or material constituents
- 11/72 . . . Auxiliary equipments, e.g. for lighting cigars, opening bottles

- 13/00 Coin-freeed apparatus for controlling dispensing of fluids, semiliquids or granular material from reservoirs**
- 13/02 . . . by volume
- 13/04 . . . by weight
- 13/06 . . . with selective dispensing of different fluids or materials or mixtures thereof
- 13/08 . . . in the form of a spray
- 13/10 . . . with associated dispensing of containers, e.g. cups or other articles (dispensing discrete articles per se G07F 11/00)

- 15/00 Coin-freed apparatus with meter-controlled dispensing of liquid, gas, or electricity** (tariff-metering apparatus in general G01D 4/00)
- 15/02 . in which the quantity mechanism is set forward by hand after insertion of a coin
 - 15/04 . in which the quantity mechanism is set forward automatically by the insertion of a coin
 - 15/06 . with means for prepaying basic charges, e.g. rent for meters
 - 15/08 . with means for varying the tariff or changing the price
 - 15/10 . with alarm or warning devices, e.g. indicating the interrupting of the supply
 - 15/12 . in which metering is on a time basis
- 17/00 Coin-freed apparatus for hiring articles; Coin-freed facilities or services** (picture juke-boxes G03B; prepayment telephone systems H04M 17/00)
- 17/02 . for optical devices, e.g. telescopes
 - 17/04 . for anthropometrical measurements such as weight, height, strength
 - 17/06 . for inflating-pumps
 - 17/08 . for seats or footstools
 - 17/10 . for means for safe-keeping of property, left temporarily, e.g. by fastening the property
 - 17/12 . . comprising lockable containers, e.g. for accepting clothes to be cleaned
 - 17/14 . for fastenings for doors (of containers for safe-keeping G07F 17/12); for turnstiles
 - 17/16 . for devices exhibiting advertisements, announcements, pictures, or the like
- 17/18 . for washing or drying persons
 - 17/20 . for washing or drying articles, e.g. clothes, motor cars
 - 17/22 . for cleaning and polishing boots or shoes
 - 17/24 . for parking meters (devices for checking parking time G07C 1/30)
 - 17/26 . for printing, stamping, franking, typing, or teleprinting apparatus (ticket printing or like apparatus G07F 17/42)
 - 17/28 . for radio apparatus (television subscription systems H04N 7/16)
 - 17/30 . for musical instruments (recording or playback apparatus G11B)
 - 17/32 . for games, toys, sports, or amusements
 - 17/34 . . depending on the stopping of moving members, e.g. "fruit" machines
 - 17/36 . . Age, character, or fortune telling apparatus
 - 17/38 . . Ball games; Shooting apparatus
 - 17/40 . for devices for accepting orders, advertisements, or the like
 - 17/42 . for ticket printing or like apparatus
- 19/00 Complete banking systems; Coded card-freed arrangements adapted for dispensing or receiving monies or the like and posting such transactions to existing accounts, e.g. automatic teller machines** (mechanisms in general actuated by objects other than coins G07F 7/00; data processing equipment for bank accounting G06Q 40/00; handling coins or paper currencies apart from coin-freed or like apparatus G07D) [5]

G07G REGISTERING THE RECEIPT OF CASH, VALUABLES, OR TOKENS (digital computing in general G06C, G06F) [4]

- 1/00 Cash registers** (alarm indicators G07G 3/00)
- 1/01 . Details for indicating (displaying information in general G09F, G09G) [4]
 - 1/06 . . with provision for the noting of the money to be paid [4]
 - 1/08 . . with rotating drums which display the money entered [4]
 - 1/10 . mechanically operated [4]
- 1/12 . electronically operated (digital data processing aspects G06Q 20/00) [4]
 - 1/14 . . Systems including one or more distant stations co-operating with a central processing unit (data transmission in general H04L; telemetry systems for selectively calling a substation from a main station H04Q 9/00) [4]
- 3/00 Alarm indicators, e.g. bells**
- 5/00 Receipt-giving machines** (cash registers giving receipts G07G 1/00)