G07 CHECKING-DEVICES

G07B TICKET-ISSUING APPARATUS; TAXIMETERS; ARRANGEMENTS OR APPARATUS FOR COLLECTING FARES, TOLLS OR ENTRANCE FEES AT ONE OR MORE CONTROL POINTS; FRANKING APPARATUS

Subclass index

MACHINES FOR PRINTING OR ISSUING TICKETS; DETAILS THEREOF	1/00, 3/00, 5/00
OTHER APPARATUS OR SYSTEMS CONCERNING TICKETS	
Holders; punches; validating; cancelling	.7/00, 9/00, 11/00
TAXIMETERS	.13/00
ARRANGEMENTS OR APPARATUS FOR COLLECTING FARES, TOLLS OR ENTRANCE FEES AT	
ONE OR MORE CONTROL POINTS	.15/00
FRANKING APPARATUS	.17/00

1/00	Machines for printing and issuing tickets (printing	13/02	Details; Accessories
	mechanisms per se B41; output mechanisms of digital	13/04	• • for indicating fare or state of hire
	computers G06C 11/00)	13/06	Driving arrangements
1/02	 employing selectable printing plates 	13/08	Tariff-changing arrangements
1/04	wherein the plates are inserted	13/10	• • • automatically actuated
1/06	 without selectable printing plates 		
1/08	• portable	15/00	Arrangements or apparatus for collecting fares, tolls
7/00	Market and Carlos to an and the database		or entrance fees at one or more control points
3/00	Machines for issuing preprinted tickets		(handling coins or paper currency G07D; apparatus for vending or hiring articles or services activated by coins,
3/02	from stock in wound strip form		credit cards, paper currency or the like G07F 7/00,
3/04	• from a stack		G07F 17/00) [1, 2011.01]
5/00	Details of, or auxiliary devices for, ticket-issuing		
	machines (for validating inserted tickets G07B 11/02)		<u>Note(s) [2011.01]</u>
5/02	 for cutting-off or separating tickets 		Data processing aspects of payment systems or
5/04	 for recording or registering tickets issued 		protocols relating to toll, entrance fee or fare collection,
5/06	 for preventing fraudulent operation 		e.g. in road pricing or congestion charging, are also classified in G06Q 20/00.
5/08	 for avoiding incorrect action of the machine 	15/02	, -
5/10	• indicating when ticket supply is exhausted	15/02	• taking into account a variable factor such as distance or time, e.g. for passenger transport, parking systems
5/12	 allowing manual writing on the tickets 		or car rental systems (G07B 15/06 takes precedence;
			taximeters G07B 13/00; parking meters <u>per se</u>
7/00	Holders providing direct manual access to the tickets		G07F 17/24) [1, 2011.01]
9/00	Ticket punches (perforating pliers B26F 1/36; marking	15/04	• • comprising devices to free a barrier, turnstile, or
5700	record carriers in digital fashion by punching		the like (coin-freed turnstiles in general
	G06K 1/02)		G07C 9/00)
9/02	Toy ticket-punches	15/06	Arrangements for road pricing or congestion
			charging of vehicles or vehicle users, e.g. automatic
11/00	Apparatus for validating or cancelling issued		toll systems [2011.01]
	tickets [2]		<u>Note(s) [2011.01]</u>
11/02	for validating inserted tickets		This group covers the identification or tracking of
11/03	• • by printing [2]		vehicles or vehicle users for the purpose of road pricing
11/05	• • by perforating [2]		or congestion charging, which means that vehicles or
11/07	• • by separating part of ticket [2]		vehicle users are not necessarily channelled through
11/09	• • combined with receptacle for separated part of		fixed control points, e.g. toll booths or overhead
	ticket (refuse receptacles in general		gantries, but may be detected at a number of places
11/11	B65F 1/00) [2]		when they travel in normal fashion in a pre-defined
11/11	• for cancelling tickets [2]		locality, e.g. a defined area in a city centre or an expressway, and where the information so generated is
13/00	Taximeters (measuring distance travelled G01C;		then used to determine a charge to be paid.
	measuring time G04)		

1

- 17/00 Franking apparatus (printing aspects B41)
- 17/02• with means for computing or counting
- 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, footprinting, 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)

17/04

Subclass index

REGISTERING TIME OF EVENTS OR ELAPSED TIME	
REGISTERING THE WORKING OF MACHINES; OF VEHICLES; DETAILS THEREOF	3/00, 5/00, 7/00
INDIVIDUAL ENTRY OR EXIT REGISTERS	.9/00
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	3/0		
	events or elapsed time, e.g. time-recorders for work	3/0		
	people (registering or indicating the working of	3/0		
	machines or vehicles G07C 3/00, G07C 5/00)	3/0		
	Note(s)			
	Groups G07C 1/20-G07C 1/32 take precedence over	3/1		
	groups G07C 1/02-G07C 1/10.	3/1		
1/02	 not involving the registering, indicating, or recording of other data 	3/1		
1/04	• • wherein the time is indicated in figures	5/0		
1/06	-			
1/08	 wherein the time is indicated by marking an 			
	element, e.g. a card or tape, in a position			
	determined by the time	5/0		
1/10	• together with the recording, indicating, or registering			
	of other data, e.g. of signs of identity (together with	5/0		
	the recording of a continuously-varying variable G01D or the appropriate other subclass of class G01,	5/0		
	dependent on the variable)	5/0		
1/12	 wherein the time is indicated in figures 			
1/14	• • • with apparatus adapted for use with individual cards	5/1		
1/16	• • wherein the time is indicated by marking an	5/1		
	element, e.g. a card or tape, in a position	0/1		
	determined by the time	7/0		
1/18	• • • with apparatus adapted for use with individual cards			
1/20	 Checking timed patrols, e.g. of watchman 	0.40		
1/22	 in connection with sports or games 	9/0		
1/24	• • Race time-recorders (race-finish cameras 9 G03B 41/00)			
1/26	 Pigeon-timing or like equipment 	11/0		
1/28	Indicating playing time			
1/30				
	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	13/0		
	unauthorised unlocking E05B 39/00)	13/0		
3/00	Registering or indicating the condition or the	15/0		
	working of machines or other apparatus, other than			
	vehicles (engine indicators G01L; testing apparatus			
	incident to its manufacture G01M; signalling			
	arrangements <u>per se</u> , indicating undesired or abnormal			

-)2 · Registering or indicating working or idle time only
-)4 using counting means or digital clocks

with means for avoiding misuse

-)6 in graphical form
-)8 · Registering or indicating the production of the machine either with or without registering working or idle time
- 10 using counting means
- 2 ٠ in graphical form
- 4 • Quality control systems
-)0 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)
- Registering or indicating driving, working, idle, or)2 waiting time only
-)4 • using counting means or digital clocks
-)6 • • in graphical form
- Registering or indicating performance data other than)8 driving, working, idle, or waiting time, with or without registering driving, working, idle, or waiting time
- 0 using counting means or digital clocks ٠
- 12 ٠ in graphical form
-)0 Details or accessories common to the registering or indicating apparatus of groups G07C 3/00 and G07C 5/00
- Individual entry or exit registers)()
 - Turnstiles with registering means (coin-freed aspects 12 G07F)
-)() 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)
-)0 **Voting apparatus**

)2 • Ballot boxes

)0 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]

working conditions G08B)

G07D HANDLING OF COINS OR OF PAPER CURRENCY OR SIMILAR VALUABLE PAPERS, e.g. TESTING, SORTING BY DENOMINATIONS, COUNTING, DISPENSING, CHANGING OR DEPOSITING [2]

Note(s)

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

- "coins" also covers tokens of similar nature;
- "paper currency or similar valuable papers" covers banknotes, bills, cheques, vouchers, securities, bonds or the like.

1/00	Coin dispensers		Note(s)
1/02	giving change		Groups G07D 7/16-G07D 7/20 take precedence over
1/04	 dispensing change equal to a sum deposited 		groups G07D 7/02-G07D 7/14
1/06	• • dispensing the difference between a sum paid and a sum charged	7/02	 using electric means (G07D 7/04, G07D 7/06 take precedence) [7]
1/08	• • hand actuated	7/04	 using magnetic means, e.g. detection of magnetic imprint [7]
3/00	Sorting a mixed bulk of coins into	7/06	 using wave or particle radiation [7]
	denominations [1, 7]	7/08	• • Acoustic waves [7]
3/02	Sorting coins by means of graded apertures	7/10	Microwaves [7]
3/04	arranged on an inclined rail	7/12	• • Visible light, infra-red or ultra-violet radiation [7]
3/06	arranged along a circular path	7/14	• using chemical means [7]
3/08	arranged on a helix	7/16	• Testing the dimensions [7]
3/10	provided by sieves arranged in series	7/18	• Testing the stiffness [7]
3/12	Sorting coins by means of stepped deflectors	7/20	Testing patterns thereon [7]
3/14	Apparatus driven under control of coin-sensing		
3/16	elementsin combination with coin-counting	9/00	Counting coins (in combination with coin-sorting G07D 3/16); Handling of coins not provided for in the other groups of this subclass
5/00	Testing specially adapted to determine the identity or	9/02	 Change trays
	genuineness of coins, e.g. for segregating coins which	9/02	 Hand- or motor-driven devices for counting coins
	are unacceptable or alien to a currency [1, 7]	9/06	 Devices for stacking or otherwise arranging coins on
	Note(s)	5700	a support, e.g. apertured plate for use in counting coins
	In groups G07D 5/02-G07D 5/10, in the absence of an		coms
	indication to the contrary, classification is made in the last appropriate place.	11/00	Devices accepting coins or paper currency, e.g. depositing machines (apparatus freed or actuated by
5/02	• Testing the dimensions, e.g. thickness, diameter; Testing the deformation [3]		coins or the like G07F; apparatus freed or actuated by paper currency G07F 7/04; complete banking systems
5/04	• Testing the weight [3]		G07F 19/00) [5]
5/06	• Testing the hardness or elasticity [3]		
5/08	• Testing the magnetic or electric properties [3]	13/00	Handling of coins or of paper currency or similar
5/10	• Testing the rim, e.g. the milling of the rim [3]		valuable papers, characterised by a combination of mechanisms not covered by a single one of groups
7/00	Testing specially adapted to determine the identity or		G07D 1/00-G07D 11/00 [5]

7/00 Testing specially adapted to determine the identity or genuineness of paper currency or similar valuable papers, e.g. for segregating those which are unacceptable or alien to a currency [2]

G07F COIN-FREED OR LIKE APPARATUS (coin sorting G07D 3/00; coin testing G07D 5/00) [1, 7]

Note(s)

- 1. This subclass <u>does not cover</u> 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.

Subclass index

ARRANGEMENTS OR MECHANISMS IN GENERAL	
Coin inlet; coin actuation; others	
APPARATUS CHARACTERISED BY THE APPLICATION	
Dispensing; metering; hiring	
COMPLETE BANKING SYSTEMS	

1/00	Coin inlet arrangements; Coins specially adapted to operate coin-freed mechanisms (coins in general A44C)			
1 /00	-/			
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			
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-freed 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 <u>per</u> <u>se</u> 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-freed 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 7/12	together with a coded signal [2]Card verification [5]			
0/00				
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-freed 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-freed 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			

G07G	REGISTERING THE RECEIPT OF CASH. VALUABLE		G07D) [5]
17/04	 for anthropometrical measurements such as weight, height, strength 		accounting (currencies a
17/02	 for optical devices, e.g. telescopes 		coins G07F
	prepayment telephone systems H04M 17/00)		(mechanism
2.,00	facilities or services (picture juke-boxes G03B;		existing acc
17/00	Coin-freed apparatus for hiring articles; Coin-freed		arrangemen monies or t
15/12	 in which metering is on a time basis 	19/00	Complete b
15/10	 with alarm or warning devices, e.g. indicating the interrupting of the supply 	17/42	for ticket
10/00	price	1//40	the like
15/08	meterswith means for varying the tariff or changing the	17/38 17/40	Ball gafor device
15/06	 with means for prepaying basic charges, e.g. rent for meters 	17/36	• • Age, c
15/04	 in which the quantity mechanism is set forward automatically by the insertion of a coin 		e.g. "fi
15/04	hand after insertion of a coin	17/32	 for games dependence
15/02	• in which the quantity mechanism is set forward by	17/32	apparatusfor games
	apparatus in general G01D 4/00)	17/30	for music
15/00	Coin-freed apparatus with meter-controlled dispensing of liquid, gas, or electricity (tariff-metering	17/28	 for radio
15/00	other articles (dispensing discrete articles <u>per se</u> G07F 11/00)	17/26	 for printing teleprinting apparatus
13/10	• with associated dispensing of containers, e.g. cups or	1//24	G07C 1/3
13/08	• in the form of a spray	17/22	for cleanfor parkir
10,00	materials or mixtures thereof	17/22	cars for cleani
13/04 13/06	 with selective dispensing of different fluids or 	17/20	for washi
13/02	by volumeby weight	17/18	 for washi
13/02	reservoirs by volume 		announce
13/00	Coin-freed apparatus for controlling dispensing of fluids, semiliquids or granular material from	17/14 17/16	 for fasten keeping C for device
11/72	 Auxiliary equipments, e.g. for lighting cigars, opening bottles 	17/12	compr clothes
11/70	• in which the articles are formed in the apparatus from components, blanks, or material constituents	17/10	 for means temporari
	sheets	17/08	for seats of
11/68	• in which the articles are torn or severed from strips or	17/06	 for inflati

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 		
17720	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		
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		

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

1/00 1/01 1/06	 Cash registers (alarm indicators G07G 3/00) Details for indicating (displaying information in general G09F, G09G) [4] with provision for the noting of the money to be paid [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]
1/08	• • with rotating drums which display the money entered [4]	3/00	Alarm indicators, e.g. bells
1/10	mechanically operated [4]	5/00	Receipt-giving machines (cash registers giving receipts

- 1/12 electronically operated (digital data processing aspects G06Q 20/00) [4]
- 5/00 Receipt-giving machines (cash registers giving receipts G07G 1/00)