

SECTION G — PHYSICS

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

G07B

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

- 17/04 • with means for avoiding misuse