

ECLA**EUROPEAN CLASSIFICATION****G07B****TICKET-ISSUING APPARATUS; FARE-REGISTERING APPARATUS;
FRANKING APPARATUS****G07B1/00****Machines for printing and issuing tickets** ([printing mechanisms per se B41](#); [output mechanisms of digital computers G06C11/00](#))

G07B1/02

- . employing selectable printing plates

G07B1/04

- . . wherein the plates are inserted

G07B1/06

- . without selectable printing plates

G07B1/08

- . portable

G07B3/00**Machines for issuing preprinted tickets**

G07B3/02

- . from stock in wound strip form

G07B3/04

- . from a stack

G07B5/00**Details of, or auxiliary devices for, ticket-issuing machines** ([for validating inserted tickets G07B11/02](#))

G07B5/02

- . for cutting-off or separating tickets

G07B5/04

- . for recording or registering tickets issued

G07B5/06

- . for preventing fraudulent operation

G07B5/08

- . for avoiding incorrect action of the machine

G07B5/10

- . . indicating when ticket supply is exhausted

G07B5/12

- . allowing manual writing on the tickets

G07B7/00**Holders providing direct manual access to the tickets****G07B9/00****Ticket punches** ([perforating pliers B26F1/36](#); [marking record carriers in digital fashion by punching G06K1/02](#))

G07B9/02

- . Toy ticket-punches

G07B11/00**Apparatus for validating or cancelling issued tickets**

G07B11/02

- . for validating inserted tickets

- G07B11/03 . . by printing
- G07B11/05 . . by perforating
- G07B11/07 . . by separating part of ticket
- G07B11/09 . . . combined with receptacle for separated part of ticket ([refuse receptacles in general B65F1/00](#))
- G07B11/11 . for cancelling tickets
- G07B13/00** **Taximeters** (measuring distance travelled [G01C](#); measuring time [G04](#))
- G07B13/00M . [[N: operating mechanically](#)] [[N9611](#)]
- G07B13/02 . Details; Accessories
- G07B13/04 . . for indicating fare or state of hire
- G07B13/04B . . . [[N: with indicating means on the outside of the vehicle](#)] [[N9611](#)]
- G07B13/06 . . Driving arrangements
- G07B13/08 . . Tariff-changing arrangements
- G07B13/10 . . . automatically actuated
- G07B15/00** **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 [G07F7/00](#), [G07F17/00](#)) [[C1011](#)] [[M1012](#)]
- [[N: Notes](#)][[N1011](#)]
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 [G06Q20/00](#).
[[N: Notes](#)
This group covers also:
- car rental systems;
- systems for reserving and using access tickets, e.g. check-in systems]
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- G07B15/02 . taking into account a variable factor such as distance or time, e.g. for passenger transport, parking systems or car rental systems ([G07B15/06 takes precedence; taximeters G07B13/00; parking meters per se G07F17/24; \[N: car rental systems per se G07B15/00\]](#)) [[C1011](#)] [[M1012](#)]
- G07B15/04 . . comprising devices to free a barrier, turnstile, or the like [[N: \(turnstiles with registering means G07C9/02; coin-freed aspects G07F17/00\)](#)] [[C1011](#)]
- G07B15/06 . Arrangements for road pricing or congestion charging of vehicles or vehicle users, e.g. automatic toll systems [[N1011](#)] [[M2010.12](#)]
- [[N: Notes](#)][[N1011](#)] [[M2010.12](#)]
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
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G07B15/06B . . [N: using wireless information transmission between the vehicle and a fixed station (identification of vehicles G08G)] [N1011]

G07B15/06D . . [N: being coin-operated] [N1011]

G07B17/00 Franking apparatus (printing aspects B41)

G07B17/00C . [N: operated by portable carriers, e.g. for inputting credit or information]

G07B17/00D . [N: Relations between apparatus, e.g. franking machine at customer or apparatus at post office, in a franking system] [N0005]

G07B17/00D1 . . [N: Physical or organizational aspects of franking systems] [N0005]

G07B17/00D2 . . [N: Communication details outside or between apparatus (coin-free apparatus for franking per se [G07F17/26](#); Mechanisms actuated by objects other than coins to free or to actuate vending, hiring, coin or paper currency dispensing or refunding apparatus for cashless transactions only [G07F19/00F](#))] [C1103]

G07B17/00E . [N: Details internally of apparatus in a franking system, e.g. franking machine at customer or apparatus at post office (digital data processing [G06F](#); coin-free apparatus for franking per se [G07F17/26](#))] [N0005]

G07B17/00E1 . . [N: Constructional details of apparatus in a franking system] [N0005]

G07B17/00E2 . . [N: Communication within apparatus, personal computer (PC) system, or server, e.g. between printhead and central unit in a franking machine] [N0005]

G07B17/00E3 . . [N: Calculation or computing within apparatus, e.g. calculation of postage value] [N0005]

G07B17/00E4 . . [N: Details specific to central, non-customer apparatus, e.g. servers at post office or vendor] [N0005]

G07B17/00F . [N: Details relating to mailpieces in a franking system] [N0005]

G07B17/00F1 . . [N: Transporting mailpieces (postal sorting [B07C](#))] [N0005]

G07B17/00F2 . . [N: Printing or attaching on mailpieces (printing mechanisms [B41J](#); security printing [B41M3/14](#); marking methods [B41M5/00](#); inks [C09D11/00](#); record carriers with at least a part designed to carry digital markings [G06K19/00](#))] [N0005]

G07B17/00F3 . . [N: Sensing or measuring mailpieces (weighing [G01G19/00](#); methods or arrangements for reading or recognising printed or written characters or for recognising patterns [G06K9/00](#))] [N0005]

G07B17/00G . [N: Cryptography or similar special procedures in a franking system] [N0005]

[N: Informative note [C0311]

References listed below indicate ECLA places which could also be of interest when carrying out a search in respect of the subject matter covered by the preceding group:

- secret or secure communication [H04L9/00](#)
- mechanisms actuated by objects other than coins to free or to actuate vending, hiring, coin or paper currency dispensing or refunding apparatus for cashless transactions only [G07F7/10F6](#)
- access-control involving the use of a pass in combination with an identity-check of the pass-

- holder by means of personal physical data, e.g. characteristic facial curves, hand geometry, voice spectrum, fingerprints [G07C9/00](#)
- methods or arrangements for reading or recognising printed or written characters or for recognising patterns [G06K9/00](#)
- random or pseudo-random generators [G06F7/58](#)
- circuits generating pulses having a predetermined statistical distribution [H03K3/84](#)
- multiple service credit cards with protecting memory zones [G07F7/10D10M](#)
- security arrangements for protecting computers or computer systems against unauthorised activity [G06F21/00](#)
- record carriers with conductive marks and special arrangements for circuits, e.g. for protecting identification code in memory [G06K19/073](#)
- error detection and error correction [G06F11/00](#)
- coding, decoding or code conversion, for error detection or error correction [H03M13/00](#)
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- [G07B17/00M](#) . [N: using mechanical accounting means] [N9409]
- [G07B17/00R](#) . [N: with means for resetting the monetary value of the accounting means] [N9409]
- [G07B17/00R2](#) . . [N: from a central point, e.g. post office] [N9409]
- [G07B17/02](#) . with means for computing or counting [N: ([G07B17/00M](#) takes precedence)] [C9409]
- [G07B17/04](#) . with means for avoiding misuse