

G07F

COIN-FREED OR LIKE APPARATUS (coin sorting G07D3/00; coin testing G07D5/00; [N: handling coins or paper currencies apart from payment activated apparatus G07D; payment architectures, schemes or protocols G06Q20/00])

References relevant to classification in this subclass

This subclass/group does not cover:

Coin sorting	G07D 3/00
Coin testing	G07D 5/00

G07F 1/00

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

Definition statement

This subclass/group covers:

All details of the coin input specific to vending and other payment-activated machines, such as coin inlets, coin chutes and input channels, as well as special coin-alike tokens used for payment-activated devices.

References relevant to classification in this group

This subclass/group does not cover:

Coins as such	A44C
Coin and currency recognition as such	G07D

G07F 1/06

Coins specially adapted to operate coin-freed mechanisms

References relevant to classification in this group

This subclass/group does not cover:

Coins as such	A44C
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Coin recognition	G07D
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Synonyms and Keywords

In patent documents the following expressions/ words are often used:

tokens, jetons, Münzähnliche Objekten.

G07F 3/00

Coin testing or sorting means or arrangements for coin-freed apparatus (apparatus for testing coins for use apart from coin-freed apparatus G07D)

References relevant to classification in this group

This subclass/group does not cover:

Apparatus for testing coins for use apart from coin-freed apparatus	G07D
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Special rules of classification within this group

This main group and its subgroups were deleted in IPC as of IPC6.

This class should not be used anymore as its contents and pertinent documents should be reclassified in [G07D 5/00](#).

G07F 5/00

Coin-actuated mechanisms; Interlocks

Definition statement

This subclass/group covers:

All devices (mechanical) or circuits (electrical) specific for actuating the dispensing action or operation of a coin-freed or vending device.

Special rules of classification within this group

General coin recognition classified in [G07D](#).

G07F 5/18

especially adapted for controlling several coin-freed apparatus from one place (interlocks per se G07F5/26)

Definition statement

This subclass/group covers:

All central devices for the central control of a network of dispensers or the control of multiple vending systems from a common payment control unit.

References relevant to classification in this group

This subclass/group does not cover:

Interlocks per se	G07F 5/26
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G07F 5/24

with change-giving (coin-changing mechanisms per se G07D)

Definition statement

This subclass/group covers:

Vending machines with dispensing of a set of coins as change when the sum paid in exceeds the required price for an article to be dispensed. This set of coins being established according to a rule of giving change.

References relevant to classification in this group

This subclass/group does not cover:

Coin changing mechanisms as such, independently of its use within a dispensing or vending device	G07D
Dispensing of unused coins	G07F 9/04
Counting of coins inserted	G07F 9/08

G07F 5/26

Interlocks, e.g. for locking the doors of compartments other than that to be used

Definition statement

This subclass/group covers:

The control of opening of one single door within a group of compartments.

References relevant to classification in this group

This subclass/group does not cover:

Locking arrangements for doors of lockers	G07F 17/12
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G07F 7/00

Mechanisms actuated by objects other than coins to free or to actuate vending, hiring, coin or paper currency dispensing or refunding apparatus (handling coins or paper currencies apart from coin-freed or like apparatus G07D; complete banking systems G07F19/00)

Definition statement

This subclass/group covers:

Details of HOW you pay by anything having money value except coins, banknotes or other physical currency. In particular payments by cards or devices representing, permitting or granting access to an account.

The term "mechanisms actuated by objects other than coins" is to be read as "payment activated by cards and objects or tokens, other than coins, representing value or the right to access and account"

References relevant to classification in this group

This subclass/group does not cover:

Handling coins or paper currencies apart from coin-freed or like apparatus	G07D
Complete banking systems	G07F 19/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

Protocols and data processing of payments	G06Q 20/00
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Glossary of Terms

The terminology used in the title is to be read as "payment (other than coins) activated" thus activated by any form of payment and in [G07F 7/00](#)"by any token except coins, in particular by cards".

G07F 7/02

by keys or other credit registering devices (for producing a coded signal for use together with coded identity cards G07F7/10)

Definition statement

This subclass/group covers:

Cards which are person independent, e.g. a telephone card.

References relevant to classification in this group

This subclass/group does not cover:

Mechanisms actuated by keys or other credit registering devices for producing a coded signal for use together with coded identity cards	G07F 7/10
Cards belonging to a person but for which no verification of the identity of the user for their use is required	G07F 7/08

G07F 7/04

by paper currency

Definition statement

This subclass/group covers:

Vending machines and dispensers in which a banknote is input and serves as payment means.

References relevant to classification in this group

This subclass/group does not cover:

Vending machines and dispensers for	G07F 5/00
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which one or more coins serve as payment means	
Details of the coin inlets and chutes	G07F 1/00

G07F 7/06

by returnable containers, e.g. bottles

Definition statement

This subclass/group covers:

Objects serve as a token of value. Money or payment is given back as reward of the recycling or returning of the object. Returnable containers include also syringes.

G07F 7/0609

[N: by bottles or cups]

Definition statement

This subclass/group covers:

Recycling of bottles and cups, and getting a reward or refund.

G07F 7/0618

[N: by carts]

Definition statement

This subclass/group covers:

The use of a trolley or cart is made dependent on the (temporary) payment of a token or coin which is given back to the payer when trolley or cart is returned or locked back in/to a storage zone.

Special rules of classification within this group

If the trolley serves as a registration and/or a portable scanner, classified in [G07G 1/0081](#).

Synonyms and Keywords

In patent documents the following words are often use:

trolley, chariot, shopping basket

G07F 7/069

[N: by box-like containers, e.g. videocassettes, books]

Definition statement

This subclass/group covers:

Objects having a box-like form, such as videocassettes, CD boxes, books, etc. are recognized on return / recycling and give right of a payment or access to similar object.

Synonyms and Keywords

In patent documents the following words are often used:

Reverse vending system.

G07F 7/08

by coded identity card or credit card [N: or other personal identification means (without personal verification means G07F7/02)]

Definition statement

This subclass/group covers:

Cards which are used independently of their owner's identity.

References relevant to classification in this group

This subclass/group does not cover:

Mechanisms actuated by cards or other personal identification means without personal verification means	G07F 7/02
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Special rules of classification within this group

If the identity of the owner of the card is characterizing the payment done by means of the token or card, classify in [G07F 7/10](#), e.g. a PIN is required to use the rights defined by the card.

G07F 7/10

together with a coded signal, [N: e.g. in the form of personal identification information, like personal identification number (PIN) or biometric data]

Definition statement

This subclass/group covers:

Cards for which the identity of the owner of the card is characterizing and required for the payment done by means of the token or card.

The identity of the owner of the token or payment card is verified biometrically or using a PIN.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Identity verification for access	G07C 9/00
Controlled computer access	G06F 21/00

Special rules of classification within this group

If the identity of the owner of the card is NOT characterizing the payment done by means of the token or card and the card serves for payment by itself, classify in [G07F 7/08](#).

G07F 7/1016

[N: Devices or methods for securing the PIN and other transaction-data, e.g. by encryption (arrangements for secret communication, see H04L9/00)]

Definition statement

This subclass/group covers:

Cards with means for encrypting data required and essential to the payment, e.g. PIN.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Arrangements for secret communication	H04L 9/00
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Special rules of classification within this group

Same subject-matter when being only part or step in a payment protocol and not limited to the card used and its features need a classification in [G06Q 20/00](#).

G07F 7/12

Card verification

Definition statement

This subclass/group covers:

Verification of the card based on constructive or software features.

G07F 9/00

Details other than those peculiar to special kinds or types of apparatus (coin inlet arrangements G07F1/00; coin testing arrangements G07F3/00; coin-actuated mechanisms, interlocks G07F5/00)

Definition statement

This subclass/group covers:

Details of vending and dispensing of dispensers in general and not specific to the type of article dispensed or the storage arrangement of the dispenser, whereby the payment occurs by means of coins or any other objects or tokens representing value or a right to access an account such as cards.

References relevant to classification in this group

This subclass/group does not cover:

Coin inlet arrangements	G07F 1/00
Coin testing arrangements	G07F 3/00
Coin-actuated mechanisms, interlocks	G07F 5/00

Special rules of classification within this group

Details specific to a certain type of dispenser should be classified under the pertinent subgroups in the range [G07F 11/00](#) to [G07F 17/00](#)

G07F 9/003

[N: displaying the inserted coins]

References relevant to classification in this group

This subclass/group does not cover:

Coin recognition as such	G07D
Coin chutes with eventual display of inserted coins	G07F 1/00

G07F 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 G07F15/10)

Definition statement

This subclass/group covers:

Features defining the features relating to data display and presentation, to monitoring the stock, to the checking of minimum age requirements to have right to access the articles, to the centralized control of a number of vending machines or other aspects not specific to a particular type of vending machine.

References relevant to classification in this group

This subclass/group does not cover:

Alarms or warning devices indicating the interruption of flow to be metered	G07F 15/10
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G07F 9/04

Means for returning surplus or unused coins

Definition statement

This subclass/group covers:

Vending machine accepts payment and returns any excess or unrecognized coins.

References relevant to classification in this group

This subclass/group does not cover:

Returning of excess coins in general	G07D 1/06
Dispensers giving change	G07F 5/24

G07F 9/06

Coin boxes

Definition statement

This subclass/group covers:

Coin boxes within vending machines or other payment activated machines.

References relevant to classification in this group

This subclass/group does not cover:

Coin boxes in general	G07D
Coin slots	G07F 1/02
Coin chutes	G07F 1/04

Special rules of classification within this group

Coin-like tokens specific to a purpose should be classified in [G07F 1/06](#) (and also the eventual purpose or object paid for).

G07F 9/08

Counting total of coins inserted

Definition statement

This subclass/group covers:

Counting within the dispenser of a number of coins inserted for payment.

References relevant to classification in this group

This subclass/group does not cover:

Counting of coins in general	G07D 3/00 , G07D 9/00
Actuation of the dispenser according to the number and type of coin input	G07F 5/00

G07F 9/10

Casings [N: or parts thereof], e.g. with means for heating or cooling

Definition statement

This subclass/group covers:

Housings of vending machines with temperature or internal environmental condition control.

References relevant to classification in this group

This subclass/group does not cover:

Dispensers for food requiring heating or cold serving	G07F 17/0064
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Special rules of classification within this group

Means for temperature and environment control (e.g. humidity) within a vending machine or dispenser are classified in [G07F 9/105](#).

G07F 9/105

[N: heating or cooling apparatus]

Definition statement

This subclass/group covers:

Means for temperature and environment control (e.g. humidity) within a vending machine or dispenser.

References relevant to classification in this group

This subclass/group does not cover:

Dispensers for food requiring heating or cold serving	G07F 17/0064
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G07F 11/00

Coin-freed apparatus for dispensing, or the like, discrete articles

Definition statement

This subclass/group covers:

The term "coin-freed" is to be read as "payment activated".

Arrangements for insuring that only one single article may be dispensed at a time from the storage zones and/or the delivery means of a dispenser of objects.

References relevant to classification in this group

This subclass/group does not cover:

Storage arrangements for article presentation without controlled access for dispensing	A47F
Industrial article storage and conveying or commissioning systems	B65G

Special rules of classification within this group

The term "coin-freed" is to be read as "payment activated" thus activated by any form of payment and in [G07F 11/00](#) "by any token including coins, or in particular by cards".

G07F 11/02

from non-movable magazines

Definition statement

This subclass/group covers:

Storage of articles in fixed receptacles not provided in any of the other (sub)groups in [G07F 11/00-G07F 11/68](#).

G07F 11/04

in which magazines the articles are stored one vertically

above the other

Definition statement

This subclass/group covers:

Arrangements for storage of articles piled one above the other and not fitting in the principle of any of the hierarchically dependent subgroups.

Special rules of classification within this group

Flexible articles such as newspapers classified in [G07F 11/045](#) and/or in [G07F 11/14](#) as such piles are often topmost dispensed.

G07F 11/045

[N: for sheet shaped or pliable articles]

Definition statement

This subclass/group covers:

Storage and dispensing of flexible articles such as newspapers or towels, blankets.

Special rules of classification within this group

Cards may be classified here only if their flexibility is used or essential to the storage or dispensing principle.

Articles stored as a pile of which the topmost is dispensed need also a class in [G07F 11/14](#).

G07F 11/06

supported individually on pivotally-mounted flaps or shelves

Definition statement

This subclass/group covers:

Storage of the articles is done on flaps or shelves which function as a support for the article as non-moving elements but only till the article needs to be dispensed at which moment the flap pivots to let free the article into a delivery zone.

G07F 11/08

arranged in two column in staggered relationship

Definition statement

This subclass/group covers:

Storage of articles as a zigzag arrangement within one single column.

References relevant to classification in this group

This subclass/group does not cover:

Storage of articles in two separate columns which both dispense the article into a common outlet delivery zone	G07F 11/10
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G07F 11/10

two or more magazines having a common delivery chute

Definition statement

This subclass/group covers:

Storage of articles in two separate columns which both dispense the article into a common outlet delivery zone.

References relevant to classification in this group

This subclass/group does not cover:

Storage of articles as a zigzag arrangement within one single column	G07F 11/08
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G07F 11/12

with means for automatically changing to reserve stacks

Definition statement

This subclass/group covers:

Storage in a first column and use of the second column only when first is exhausted.

G07F 11/14

with means for raising the stack of articles to permit delivery of the topmost

Definition statement

This subclass/group covers:

Storage of articles as a pile which needs to be raised or lifted to dispense one single article from the top, (eventual by pusher).

Special rules of classification within this group

Newspapers and flexible articles are also classified in [G07F 11/045](#) if the flexibility of the article is essential for the storage or dispensing or delivery principle.

G07F 11/16

Delivery means

Definition statement

This subclass/group covers:

Specifically for delivery means independently of any particular storage method. Delivery means not fitting in any of [G07F 11/18-G07F 11/26](#)

Special rules of classification within this group

This group is used also for delivery means in dispensers with movable storage containers if these do not serve for the direct delivery of the article by their functioning itself.

G07F 11/36

in which the magazines are of helical or spiral form

Definition statement

This subclass/group covers:

Storage in or along a spiralling or helical path.

G07F 11/44

in which magazines the articles are stored in bulk

Definition statement

This subclass/group covers:

Storage from a hopper with dosing of the quantity to be dispensed.

Special rules of classification within this group

May also require a class in [G07F 13/00](#) or [G07F 15/00](#) if type of article dispensed is powder or granular or liquid.

G07F 11/64

in which the articles are individually suspended from stationary supports

Definition statement

This subclass/group covers:

Storage of articles hanging one by one or suspended along supports such as rails.

G07F 11/68

in which the articles are torn or severed from strips or sheets

Definition statement

This subclass/group covers:

Storage along a strip of articles and severing one of the articles, blister-pack.

G07F 11/70

in which the articles are formed in the apparatus from components, blanks, or material constituents

Definition statement

This subclass/group covers:

Storage and articles which are stored as components which need to be combined for dispensing, or which serve only as required for the use of another article even if not dispensed from same dispenser, e.g. bun dispensing for a food vending machine.

Special rules of classification within this group

Additionally to the concept classified in this group, the fitting class in the storage or delivery method or means in a separate [G07F 11/00](#) entry is required.

G07F 11/72

Auxiliary equipment, e.g. for lighting cigars, opening bottles

Definition statement

This subclass/group covers:

Storage and dispensing of articles which are supplementary to a main article dispensed, e.g. lighter or matches for a cigarette vending machine, bottle opener for drink bottle vendor.

Special rules of classification within this group

Cups dispensed with a drink should be classified according to the type of drink and in [G07F 13/10](#).

G07F 13/00

Coin-freed apparatus for controlling dispensing of fluids, semi-liquids or granular material from reservoirs

Definition statement

This subclass/group covers:

The term "coin-freed" is to be read as "payment activated".

Dispensing a quantity of a liquid such as water or oil, if not provided for the definition of any of the dependent groups.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Attention is drawn to the following places, which may be of interest fro search:

Liquid dispensing in general, such as water or petrol	B65D 7/00
Apparatus for making beverages	A47J 31/00
Apparatus for dispensing beverages on draught	B67D 1/00

Special rules of classification within this group

Fuel dispensing systems at petrol stations in [G07F 13/025](#). Drinks in [G07F 13/065](#) except hot drinks such as coffee, in [G07F 13/10](#) (as mostly a cup is also dispensed if required).

Glossary of terms

In this subclass/group, the following terms (or expressions) are used with the

meaning indicated:

The term "coin-freed" is to be read as "payment activated" thus activated by any form of payment and in [G07F 13/00](#) "by any token including coins, or in particular by cards".

G07F 13/025

[N: wherein the volume is determined during delivery]

Definition statement

This subclass/group covers:

Fuel dispensing systems at petrol stations

G07F 13/065

[N: for drink preparation]

Definition statement

This subclass/group covers:

Dispensing a mix of products mostly fluids to deliver a drink. Can also be a powder mixed into a drink for creating a liquid drink.

Special rules of classification within this group

For hot drinks classify in [G07F 13/10](#), as mostly also a cup or container may be proposed.

G07F 13/08

in the form of a spray

Special rules of classification within this group

Needs also a class in [G07F 17/18](#) if for cosmetic beauty products.

G07F 13/10

with associated dispensing of containers, e.g. cups or other articles (dispensing discrete articles per se G07F11/00)

Definition statement

This subclass/group covers:

Hot drinks or drinks where also a cup is delivered.

References relevant to classification in this group

This subclass/group does not cover:

Dispensing discrete articles per se	G07F 11/00
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Special rules of classification within this group

If no cup or container is dispensed, classify in [G07F 13/065](#) if a mix of products is required for the drink creation. If a liquid as such is dispensed e.g. drinking water, classify in [G07F 13/025](#).

G07F 15/00

Coin-freed apparatus with meter-controlled dispensing of liquid, gas or electricity (tariff-metering apparatus in general G01D4/00)

Definition statement

This subclass/group covers:

The term "coin-freed" is to be read as "payment activated".

Payment activated access to facilities such as public services, e.g. gas, electricity, water for housing.

References relevant to classification in this group

This subclass/group does not cover:

Tariff-metering apparatus in general	G01D 4/00
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Glossary of terms

In this subclass/group, the following terms (or expressions) are used with the meaning indicated:

The term "coin-freed" is to be read as "payment activated" thus activated by any form of payment and in [G07F 15/00](#) "by any token including coins, or in particular by cards".

G07F 15/003

[N: for electricity]

Definition statement

This subclass/group covers:

Payment activated dispensing of electricity or charging of electricity into an object or apparatus.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Attention is drawn to the following places, which may be of interest fro search:

Circuit arrangements for charging or depolarising batteries or for supplying loads from batteries	H02J 7/00
Charging electric vehicles	B60L 11/1809

G07F 17/00

Coin-freed apparatus for hiring articles; Coin-freed facilities or services (picture juke-boxes G03B; prepayment telephone systems H04M17/00)

Definition statement

This subclass/group covers:

The term "coin-freed" is to be read as "payment activated".

Payment activated access to various services and specific types of objects independently of their manner of storage or delivery arrangements.

References relevant to classification in this group

This subclass/group does not cover:

Picture juke-boxes	G03B
Prepayment telephone systems	H04M 17/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

Coin-freed facilities for specific storage or delivery of single objects	G07F 11/00
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Coin-freed facilities for liquid or granular articles	G07F 13/00
Coin-freed facilities for facilities such as electricity and gas	G07F 15/00

Glossary of terms

In this subclass/group, the following terms (or expressions) are used with the meaning indicated:

The term "coin-freed" is to be read as "payment activated" thus activated by any form of payment and in [G07F 17/00](#) "by any token including coins, or in particular by cards".

G07F 17/10

for means for safe-keeping of property, left temporarily, e.g. by fastening the property

Definition statement

This subclass/group covers:

Payment for temporary keeping and locking of objects such as bicycles.

G07F 17/14

for fastenings for doors (of containers for safe keeping G07F17/12); for turnstiles

Definition statement

This subclass/group covers:

Payment activated access granting e.g. opening of doors (WCs).

References relevant to classification in this group

This subclass/group does not cover:

Coin-freed arrangements for fastenings for doors of containers for safe keeping, e.g. lockers	G07F 17/12
Interlocks	G07F 5/26

Informative references

Attention is drawn to the following places, which may be of interest for search:

Deposit receptacles with appliances for preventing unauthorised removal	A47G 29/14
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G07F 17/16

for devices exhibiting advertisements, announcements, pictures or the like

Definition statement

This subclass/group covers:

Payment-activated access to content and generating and dispensing of on-request created content carriers such as DVDs with on request or customized recorded matter, e.g. a coin-freed machine for selling/hiring CDs or DVDs.

G07F 17/18

for washing or drying persons

Definition statement

This subclass/group covers:

Payment activated dispensing of any article required for personal hygiene of user or animal, such as cosmetics or towels.

Special rules of classification within this group

Towels are also classified according to the principle of storage e.g. from a roll ([G07F 11/68](#)).

Towels and articles required for washing and drying anything less than a living being such as a person or animal, classify in [G07F 17/20](#).

G07F 17/20

for washing or drying articles, e.g. clothes, motor cars

Definition statement

This subclass/group covers:

Payment activated dispensing of any article required for washing or drying of

anything else than a living being such human or animal.

Special rules of classification within this group

Towels and articles required for washing and drying anything lese than a living being such

As a person or animal, classify in [G07F 17/18](#).

G07F 17/24

for parking meters (devices for checking parking time G07C1/30)

Definition statement

This subclass/group covers:

Payment for use of parking facilities.

References relevant to classification in this group

This subclass/group does not cover:

Devices for checking parking time	G07C 1/30
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Measuring parking time	G07B 15/02
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G07F 17/26

for printing, stamping, franking, typing or tele-printing apparatus (ticket printing or the like apparatus G07F17/42)

Definition statement

This subclass/group covers:

Paying for (remotely) printed matter such as greeting cards.

References relevant to classification in this group

This subclass/group does not cover:

Ticket printing or the like apparatus	G07F 17/42
Recording of content on carriers, e.g. CDs, DVDs	G07F 17/16

G07F 17/32

for games, toys, sports or amusements [N: e.g. casino games, online gambling or betting (game play without financial reward A63F)]

References relevant to classification in this group

This subclass/group does not cover:

Playing without coin collecting means	A63
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Special rules of classification within this group

See separate CPC Definitions for [G07F 17/32-38](#).

G07F 17/40

for devices for accepting orders, advertisements, or the like

Definition statement

This subclass/group covers:

Booking, making reservations and remote ordering.

G07F 17/42

for ticket printing or like apparatus

Definition statement

This subclass/group covers:

Payment activated access to printed matter such as paper tickets and payment cards.

Special rules of classification within this group

The system for storage and dispensing should be classified if pertinent in [G07F 11/00](#).

G07F 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 (data processing equipment for bank accounting G06Q40/02; [N: mechanisms in general actuated by objects other than coins G07F7/00; handling coins or paper currencies apart from payment activated apparatus G07D])

Definition statement

This subclass/group covers:

Automatic Banking machines (ATM) or complete banking networks.

References relevant to classification in this group

This subclass/group does not cover:

Data processing equipment for bank accounting	G06F 17/60 , G06F 19/00
Handling coins or paper currencies apart from coin-freed or like apparatus	G07D
Mechanisms in general actuated by objects other than coins	G07F 7/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

Protocols and data processing of payments	G06Q 20/00
Protocols and data processing for banking administration	G06Q 40/00

G07F 19/00F

[N: Automatic teller machines (ATMs)]

Definition statement

This subclass/group covers:

ATM (Automatic Transaction Machines) and Banking Terminals.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Testing the genuineness of paper currency	G07D 7/00
Handling of coins or of paper currency	G07D 13/00

The subgroups in [G07F](#) will be good additions to the register and vending machine areas of 235 since the construction features and applications of the coin operated machines are not specified in class 235.