

G07F

COIN-FREED OR LIKE APPARATUS (coin sorting [G07D 3/00](#); coin testing [G07D 5/00](#); {handling coins or paper currencies apart from payment activated apparatus [G07D](#); payment architectures, schemes or protocols [G06Q 20/00](#)})

References

Limiting references

This place does not cover:

Payment architectures, schemes or protocols	G06Q 20/00
Handling coins or paper currencies apart from payment activated apparatus	G07D
Coin sorting	G07D 3/00
Coin testing	G07D 5/00

G07F 1/00

Coin inlet arrangements; Coins specially adapted to operate coin-free mechanisms

Definition statement

This place 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

Informative references

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

Coins as such	A44C
Coin and currency recognition as such	G07D

G07F 1/06

Coins specially adapted to operate coin-free mechanisms

References

Informative references

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

Coins as such	A44C
Coin and currency recognition as such	G07D

Synonyms and Keywords

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

tokens, jetons, Münzähnliche Objekten.

G07F 5/00

Coin-actuated mechanisms; Interlocks

Definition statement

This place 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

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

G07F 5/18

specially adapted for controlling several coin-freed apparatus from one place

Definition statement

This place covers:

Coin-actuated central mechanisms and devices specially adapted for centrally controlling several coin-freed apparatus or multiple vending systems from one common place, mostly the central coin-payment unit being in the same space as the units to be controlled.

References

Informative references

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

Interlocks per se	G07F 5/26
Vending machine being part of a centrally controlled network of vending machines	G07F 9/002

G07F 5/24

with change-giving

Definition statement

This place 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

Informative references

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

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

G07F 5/26

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

Definition statement

This place covers:

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

References

Informative references

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

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

Definition statement

This place covers:

Details of HOW you pay by anything having money value except coins, banknotes or other physical currency. In particular, this group covers 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

Informative references

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

Complete banking systems	G07F 19/00
Data processing for business	G06Q
Data processing for commerce, shopping or e-commerce	G06Q 30/00
Handling coins or paper currencies apart from coin-freeed or like apparatus	G07D

Glossary of terms

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

Complete banking systems, devices and systems used for payment transactions, e.g. ATMs.

G07F 7/02**by keys or other credit registering devices****Definition statement**

This place covers:

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

References**Informative references**

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

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

G07F 7/025

{by means, e.g. cards, providing billing information at the time of purchase, e.g. identification of seller or purchaser, quantity of goods delivered or to be delivered}

Definition statement

This place covers:

Specific physical means or cards defining a billed service or quantity of goods to be delivered or the identification of a seller or purchaser defined for this service.

G07F 7/04**by paper currency****Definition statement**

This place covers:

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

References**Limiting references**

This place does not cover:

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

G07F 7/06

by returnable containers {, i.e. reverse vending systems in which a user is rewarded for returning a container that serves as a token of value}, e.g. bottles

Definition statement

This place 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

{by fluid containers, e.g. bottles, cups, gas containers}

Definition statement

This place covers:

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

G07F 7/0618

{by carts}

Definition statement

This place 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

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

{by box-like containers, e.g. videocassettes, books}

Definition statement

This place 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 {or other personal identification means (without personal verification means [G07F 7/02](#))}

Definition statement

This place covers:

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

References

Limiting references

This place 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

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 {, e.g. in the form of personal identification information, like personal identification number [PIN] or biometric data}

Definition statement

This place 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.

References

Informative references

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

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

Special rules of classification

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

{Devices or methods for securing the PIN and other transaction-data, e.g. by encryption (arrangements for secret communication, see [H04L 9/00](#))}

Definition statement

This place covers:

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

References

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

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 place 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 [G07F 1/00](#); coin-actuated mechanisms, interlocks [G07F 5/00](#))

Definition statement

This place covers:

Aspects and means of payment actuated vending machines and dispensers that are not specific to a special kind of apparatus or a dispenser for dispensing a particular article or service.

Relationships with other classification places

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

References

Limiting references

This place does not cover:

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

Informative references

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

Coin testing arrangements	G07D 5/00
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G07F 9/001

{Interfacing with vending machines using mobile or wearable devices}

Definition statement

This place covers:

Using a wearable or mobile device for ordering, paying, interacting, operating or monitoring vending machines, non-specific to a type of vending machine or a product or service provided.

References**Informative references**

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

Data display, advertising or data presentation of vending machines	G07F 9/023
Alarm and monitoring, e.g. for auditing functioning of vending machines	G07F 9/026
Head mounted human machine interaction means	G02B 27/00
Wearable computers, e.g. on a belt	G06F 1/16
Input and output arrangements for interaction between user and computer	G06F 3/01

G07F 9/002

{Vending machines being part of a centrally controlled network of vending machines}

Definition statement

This place covers:

Payments and transactions in centrally controlled networks of dispensers and vending machines mainly connected to servers.

References**Informative references**

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

Coin-actuated mechanisms specially adapted for controlling several coin-freed apparatus from one place	G07F 5/18
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G07F 9/003**{displaying the inserted coins}****References****Limiting references***This place does not cover:*

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

G07F 9/009**{User recognition or proximity detection}****Definition statement***This place covers:*

User recognition and proximity detection at a vending machine, e.g. for control by gesture, user profiling or power saving.

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

Data display, advertising or data presentation of vending machines	G07F 9/023
Alarm and monitoring, e.g. for auditing functioning of vending machines	G07F 9/026
Input arrangements in computers	G06F 3/00
Biometric computer user authentication	G06F 21/32

G07F 9/02

Devices for alarm or indication, e.g. when empty; Advertising arrangements in coin-free apparatus (alarms or warning devices indicating the interruption of flow to be metered [G07F 15/10](#))

Definition statement*This place 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**Limiting references***This place does not cover:*

Alarms or warning devices indicating the interruption of flow to be metered	G07F 15/10
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G07F 9/023**{Arrangements for display, data presentation or advertising}****Definition statement***This place covers:*

Displaying information, or presenting selection menus or advertisements on vending machines and self-service dispensers.

Relationships with other classification places

If the data displayed is provided by the means for auditing/monitoring of the functioning of the payment activated apparatus, e.g. indicating the actual inventory of the apparatus or that the stock of (a part of) the machine is exhausted, the aspects concerning the monitoring features need to be classified also in [G07F 9/026](#).

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

Alarm and monitoring, e.g. for auditing functioning of vending machines	G07F 9/026
Display aspects as part of the housing of an ATM	G07F 19/205
Touchscreen for human/computer interaction	G06F 3/041
Displays of POS and ECRs	G07G 1/01

G07F 9/0235**{the arrangements being full-front touchscreens}****Definition statement***This place covers:*

Vending machine having a full-front touch-screen data input serving for data display and transaction selection.

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

Interfacing with a vending machine using a mobile or wearable device, e.g. for ordering, paying, operating the vending machine	G07F 9/001
Data display, advertising or data presentation of vending machines	G07F 9/023
Alarm and monitoring, e.g. for auditing functioning of vending machines	G07F 9/026
Touchscreen for human/computer interaction	G06F 3/041

G07F 9/026

{for alarm, monitoring and auditing in vending machines or means for indication, e.g. when empty}

Definition statement

This place covers:

Indicating operational conditions of the vending machine, e.g. alarms, information about the actual inventory of the vending machine, stock depletion of (a part of) the articles in the vending machine.

Relationships with other classification places

If the data provided by the means for auditing/monitoring of the functioning of the payment activated apparatus is also displayed on the vending machine, e.g. indicating the actual inventory of the apparatus or that the stock of (a part of) the machine is exhausted, the aspects concerning the displaying features need to be classified also in [G07F 9/023](#).

References

Informative references

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

Dispensers as part of a centrally controlled network of dispensers	G07F 9/002
Data display, advertising or data presentation of vending machines	G07F 9/023
Specific restocking arrangements for dispensers and vending machines	G07F 11/004
Monitoring of ATM functioning	G07F 19/209
Inventory or stock management in warehousing	G06Q 10/087
Alarm indicators in checkouts and systems for registering receipt of cash, e.g. anti-theft or false operation	G07G 3/00

G07F 9/04

Means for returning surplus or unused coins

Definition statement

This place covers:

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

References

Informative references

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

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

G07F 9/06

Coin boxes

Definition statement

This place covers:

Coin boxes within vending machines or other payment activated machines.

References

Informative references

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

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

Special rules of classification

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 place covers:

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

References

Informative references

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

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

G07F 9/10

Casings {or parts thereof}, e.g. with means for heating or cooling

Definition statement

This place covers:

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

Special rules of classification

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

G07F 9/105

{Heating or cooling means, for temperature and humidity control, for the conditioning of articles and their storage (dispensers for food articles requiring a processing by temperature treatment or conditioning before they are ready for dispensing [G07F 17/0064](#))}

Definition statement

This place covers:

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

References

Limiting references

This place 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 place covers:

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.

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

References

Informative references

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

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

G07F 11/004

{Restocking arrangements therefor}

Definition statement

This place covers:

Specific arrangements for restocking of vending machines, e.g. restocking by loading of modular unit of multiple articles.

References

Informative references

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

Data display, advertising or data presentation of vending machines, e.g. indication of low stock or inventory depletion	G07F 9/023
Alarm and monitoring, e.g. for auditing functioning of vending machines, e.g. monitoring of stock inventory	G07F 9/026
Cartridge magazines for beverage making apparatus	A47J 31/42
Inventory and stock management in warehousing	G06Q 10/08

G07F 11/02

from non-movable magazines

Definition statement

This place 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 place 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

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

{for sheet shaped or pliable articles}

Definition statement

This place covers:

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

Special rules of classification

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 place 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 columns in staggered relationship****Definition statement***This place covers:*

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

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

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 place covers:*

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

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

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 place 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 place 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

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 place covers:

Delivery means, for any type of storage (movable and non-movable magazines).

Relationships with other classification places

This group or its subgroups may also be applied if the article storage is done in movable magazines, in combination with the pertinent group [G07F 11/46](#).

G07F 11/163

{characterised by blocking access to the output bins}

Definition statement

This place covers:

Blocking access to the output bin of the delivery means of vending machines and dispensers.

References

Informative references

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

Dispensing of articles stored in movable magazines	G07F 11/46
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G07F 11/1653

{the picking arrangements being collecting buckets}

Definition statement

This place covers:

Delivery of stored articles by means moving along at least more than one axis of freedom as in two- or multi-dimensional (e.g. XYZ) article picking arrangement, in which the picking arrangement is a collecting bucket.

References

Informative references

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

Dispensing of articles stored in movable magazines	G07F 11/46
Delivering or advancing articles from machine, and in industrial applications	B65H 29/00

G07F 11/1657

{the picking arrangements using suction}

Definition statement

This place covers:

Delivery of stored articles by suction means moving to picking position.

This group may also be applied for the articles stored in movable as well as non-movable magazines and not only in case of a multidimensional picking arrangement.

References

Informative references

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

Dispensing of articles stored in movable magazines	G07F 11/46
Article or material handling devices associated with conveyors	B65G 47/00
Delivering or advancing articles from machine, and in industrial applications	B65H 29/00

G07F 11/18

Recessed drawers

Definition statement

This place covers:

Use of recessed drawers as delivery means.

References

Informative references

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

Special arrangements for insuring that one single article is dispensed	G07F 11/005
Articles in drawers used as compartments	G07F 11/62

G07F 11/20

Pushers actuated directly by hand

Definition statement

This place covers:

Use of pushers actuated directly by hand for delivery of article(s).

References

Informative references

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

Pushers in delivery means of dispensers actuated indirectly by hand, e.g. through cranks or levers	G07F 11/22
Article being delivered by hand-driven means from horizontal non-moving magazines	G07F 11/40

G07F 11/22

Pushers actuated indirectly by hand, e.g. through cranks or levers

Definition statement

This place covers:

Use of pushers actuated indirectly by hand for delivery of article(s), e.g. through cranks or levers.

References

Informative references

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

Special arrangements for insuring that one single article is dispensed	G07F 11/005
Pushers in delivery means of dispensers actuated directly by hand	G07F 11/20
Article being delivered by hand-driven means from horizontal non-moving magazines	G07F 11/40

G07F 11/24

Rotary or oscillatory members

Definition statement

This place covers:

Use of rotary or oscillatory member, such as rotary delivery means at bottom of columns or with chambers selecting one out of a row or pile of articles, e.g. singling device for delivery of one out of a column or row.

References

Informative references

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

Special arrangements for insuring that one single article is dispensed	G07F 11/005
Non-movable helical or spiral magazines	G07F 11/36
Use of rotary means as storage means	G07F 11/50 , G07F 11/52 , G07F 11/54

G07F 11/26

Endless bands

Definition statement

This place covers:

Use of endless bands as delivery means.

References

Informative references

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

Special arrangements for insuring that one single article is dispensed	G07F 11/005
Article being delivered by motor-driven means from horizontal non-moving magazines	G07F 11/42
Articles are supported on endless belts or conveyors, used as movable magazines, containers or supports	G07F 11/58
Articles are stored and rectilinearly movable, but not by endless belts or conveyors	G07F 11/60

G07F 11/36

in which the magazines are of helical or spiral form

Definition statement

This place covers:

Coin-freed apparatus for dispensing, or the like, discrete articles, from non-movable magazines, in which the non-movable magazines are of helical or spiral form.

This subgroup covers only articles in rigid magazines of helical or spiral form, not articles held within the coils of an advancing or movable helical or spiral feeder.

Relationships with other classification places

If the articles are pushed or held by motor-driven helical or spiral means serving as pusher or advancing means, the articles being piled in a row, it should be classified in [G07F 11/42](#) as "articles delivered by motor-driven means within non-movable magazines". If the coils serve also as storage compartments advancing the articles to a delivery point, then the document should be classified in [G07F 11/36](#).

References

Informative references

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

Special arrangements for insuring that one single article is dispensed	G07F 11/005
Rotary or oscillatory means used as delivery means, a singling device at the end of a row or column	G07F 11/24
Motor-driven conveying means of articles within horizontal non-movable magazines, e.g. articles piled in a row moved as a whole to delivery point	G07F 11/42
The article being delivered from movable storage containers or supports, wherein the storage containers or supports being rotatably mounted about horizontal axes	G07F 11/52
The articles being supported on or by endless belts or like conveyers	G07F 11/58
Articles are stored and rectilinearly movable, but not by endless belts or conveyers, e.g. articles held in the coils of a helical or spiral feed	G07F 11/60

G07F 11/42

the articles being delivered by motor-driven means

Definition statement

This place covers:

Payment-actuated dispensing, or the like, of discrete articles, from non-movable horizontal magazines, the articles being delivered by motor driven means e.g. a helical or spiral form advancing means which can hold articles in its coils or push a complete row of articles to a delivery point.

Relationships with other classification places

Only if the articles are pushed by motor-driven helical or spiral means serving as pusher or advancing means, the articles being in a row or held by the coils as storage compartments, the document should be classified in [G07F 11/42](#) as "articles delivered by motor-driven means within non-movable magazines, as the helical means may be seen as only feeding pusher means within a non-movable magazine, as "articles delivered by motor-driven means within non-movable magazines".

In case the articles are held in the coils of a helical means, this is considered to need also classification in [G07F 11/60](#) as "articles held in storage containers or supports (being the coils) which are rectilinearly movable as movable magazines".

References

Informative references

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

Special arrangements for insuring that one single article is dispensed	G07F 11/005
Rotary or oscillatory members/means used as delivery means	G07F 11/24
Magazines being non-movable and of helical or spiral form	G07F 11/36
Article being delivered by hand-driven means from horizontal non-moving magazines	G07F 11/40
Dispensing from rotatably mounted storage containers or supports (horizontal or vertical)	G07F 11/52 , G07F 11/54

Articles are supported on endless belts or conveyors, used as movable magazines, containers or supports	G07F 11/58
Articles are stored and rectilinearly movable, but not by endless belts or conveyors	G07F 11/60

G07F 11/44

in which magazines the articles are stored in bulk

Definition statement

This place covers:

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

Special rules of classification

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 11/50

the storage containers or supports being rotatably mounted

Definition statement

This place covers:

Payment-actuated dispensing, or the like, of discrete articles, from movable magazines, the articles being held in storage containers rotating around an axis, such as in a carrousel of storage receptacles or supports.

Relationships with other classification places

If the articles are pushed by motor-driven helical or spiral means serving as pusher or advancing means, the articles being in a row or held by the coils as storage compartments, the document should be classified in [G07F 11/42](#) as "articles delivered by motor-driven means within non-movable magazines, as the helical means may be seen as only feeding pusher means within a non-movable magazine, as "articles delivered by motor-driven means within non-movable magazines".

In case the articles are held in the coils of a helical means, this is considered to need also classification in [G07F 11/60](#) as "articles held in storage containers or supports (being the coils) which are rectilinearly movable as movable magazines".

G07F 11/52

about horizontal axes

Definition statement

This place covers:

Payment-actuated dispensing, or the like, of discrete articles, from movable magazines, the articles being held in storage containers rotating around a horizontal axis, such as in a carrousel of storage receptacles or supports.

Relationships with other classification places

If the articles are stored in magazines of helical or spiral form themselves and these magazines are non-movable, it will be classified as [G07F 11/36](#).

Relationships with other classification places

In case the articles are held in the coils of a helical means, this is considered to need classification in [G07F 11/60](#) as "articles held in storage containers or supports (being the coils) which are rectilinearly movable as movable magazines.

References

Informative references

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

Special arrangements for insuring that one single article is dispensed	G07F 11/005
Rotary or oscillatory members/means used as delivery means	G07F 11/24
Magazines being non-movable and of helical or spiral form	G07F 11/36
Article being delivered by hand-driven means from horizontal non-moving magazines	G07F 11/40
Dispensing from rotatably mounted storage containers or supports (around vertical axes)	G07F 11/54
Articles are supported on endless belts or conveyors, used as movable magazines, containers or supports	G07F 11/58
Articles are stored and rectilinearly movable, but not by endless belts or conveyors	G07F 11/60

G07F 11/58

the articles being supported on or by endless belts or like conveyors

Definition statement

This place covers:

Payment-actuated apparatus for dispensing, or the like, discrete articles, supported on endless belts or like conveyors which move the articles to a delivery point.

References

Informative references

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

Special arrangements for insuring that one single article is dispensed	G07F 11/005
Endless bands, only as (final) delivery means	G07F 11/26
Article being delivered by motor-driven means from horizontal non-moving magazines	G07F 11/42
Dispensing from rotatably mounted storage containers or supports (horizontal or vertical)	G07F 11/52 , G07F 11/54
Articles are stored and rectilinearly movable, but not by endless belts or conveyors	G07F 11/60

G07F 11/60

the storage containers or supports being rectilinearly movable

Definition statement

This place covers:

Coin-freed apparatus for dispensing, or the like, discrete articles, from movable storage containers or supports, in which the storage containers or supports are being rectilinearly movable, such articles held in the coils of helical feed means which serve as moving containers or supports.

Relationships with other classification places

If the articles are pushed by motor-driven helical or spiral means serving as pusher or advancing means, the articles being in a row, the document should be classified as [G07F 11/42](#) as "articles delivered by motor-driven means within non-movable magazines, as the helical means may be seen as only feeding pusher means within a non-movable magazine, as "articles delivered by motor-driven means within non-movable magazines".

In case the articles are held in the coils of a helical means, this is considered to need also classification in [G07F 11/60](#) as "articles held in storage containers or supports (being the coils) which are rectilinearly movable as movable magazines".

References

Informative references

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

Special arrangements for insuring that one single article is dispensed	G07F 11/005
Rotary or oscillatory members/means used as delivery means	G07F 11/24
Article being delivered by hand-driven means from horizontal non-moving magazines	G07F 11/40
Article being delivered by motor-driven means from horizontal non-moving magazines	G07F 11/42
Dispensing from rotatably mounted storage containers or supports (horizontal or vertical)	G07F 11/52 , G07F 11/54
Articles are supported on endless belts or conveyors, used as movable magazines, containers or supports	G07F 11/58

G07F 11/62

in which the articles are stored in compartments in fixed receptacles

Definition statement

This place covers:

Payment actuated apparatus for dispensing, or the like, of discrete articles, from compartments, storage containers or defined storage supports, which may be organised as a moving drawer composed of fixed compartments.

References

Informative references

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

Dispensers for pharmaceutical articles	G07F 17/0092
Chest of drawers or cabinets characterised by the arrangement of drawers	A47B 67/04
Drawers for cabinets and tables, or like furniture	A47B 88/00
Medicament distribution means for multiple medicaments	A61J 7/0084
Cash register drawers	G07G 1/0027
Computer-assisted distribution of medication from dispensers, i.e. making sure that medication is correctly delivered to patients	G16H 20/13

G07F 11/64

in which the articles are individually suspended from stationary supports

Definition statement

This place 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 place 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 place 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

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 place 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

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 or fluids, semiliquids or granular material from reservoirs****Definition statement**

This place covers:

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

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

References**Informative references**

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

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

Special rules of classification

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).

G07F 13/025**{wherein the volume is determined during delivery}****Definition statement**

This place covers:

Fuel dispensing systems at petrol stations

G07F 13/065**{for drink preparation}****Definition statement***This place covers:*

Coin-freed apparatus for controlling dispensing of fluids, semi liquids or granular material from reservoirs, with selective dispensing of different fluids or materials (e.g. mixed), e.g. for drink preparation.

Relationships with other classification places

Hot drinks are often dispensed with cups or containers. In case details are given about the cup or container dispensing (eventually in coordination with the drink delivery), a classification in [G07F 13/10](#) is required.

G07F 13/08**in the form of a spray****Special rules of classification**

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****Definition statement***This place covers:*

Coin-freed apparatus for controlling dispensing of fluids, semi liquids or granular material from reservoirs, with associated dispensing of containers, e.g. cups or other containers.

References**Informative references**

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

Dispensing discrete articles per se	G07F 11/00
Dispensers for drinks without further details about associated dispensing of containers, e.g. cups or other articles	G07F 13/065
Beverage-making apparatus with dispensing means for adding a measured quantity of ingredients, e.g. coffee, sugar, cocoa, milk, tea	A47J 31/40

G07F 15/00**Coin-freed apparatus with meter-controlled dispensing of liquid, gas or electricity****Definition statement***This place covers:*

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

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

References

Informative references

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

For vending, access and use of specific services not covered anywhere else in	G07F 15/00 , G07F 17/00 , G07F 17/0014
Gas or electricity for washing or hygiene or persons and animals (e.g. oxygen, shower, sun-tan cabin)	G07F 17/18
Tariff-metering apparatus in general	G01D 4/00
Data processing for electricity, gas and water supply	G06Q 50/06

Special rules of classification

The groups [G07F 15/00](#) - [G07F 15/008](#) may also be applied in combination, if necessary, with a group from [G07F 15/02](#) - [G07F 15/12](#).

G07F 15/001

{for gas}

Definition statement

This place covers:

Coin-freed apparatus for meter-controlled dispensing of gas.

References

Informative references

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

Dispensing of gas for washing, drying or hygiene of persons (and animals)	G07F 17/18
Electric propulsion with power supplied within the vehicle	B60L 50/00

G07F 15/003

{for electricity}

Definition statement

This place covers:

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

References

Informative references

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

Dispensing of gas for washing, drying or hygiene of persons (and animals)	G07F 17/18
Electric propulsion with power supplied within the vehicle	B60L 50/00

Circuit arrangements for charging or depolarising batteries or for supplying loads from batteries	H02J 7/00
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G07F 15/005

{dispensed for the electrical charging of vehicles (electrical charging as such, [B60L 50/00](#))}

Definition statement

This place covers:

Payment actuated apparatus for meter-controlled and billed electricity for charging vehicles, such as cars and bicycles.

References

Informative references

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

Electrical (circuits for) charging of vehicles	B60L 53/00
Technologies related to electric vehicle charging (not used as head-group but see subgroups)	Y02T 90/10

G07F 15/006

{dispensed for the electrical charging of other devices than vehicles}

Definition statement

This place covers:

Payment actuated apparatus for meter-controlled and billed electricity for charging devices other than vehicles, such as mobile phones.

G07F 15/008

{Rewarding for providing delivery of electricity to the network}

Definition statement

This place covers:

Payments received for providing electricity back to the grid, e.g. in house environment or vehicle plugged into a charging station connected to the electrical network.

References

Informative references

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

Electric propulsion with power supplied within the vehicle	B60L 50/00
Enabling technologies with a potential or indirect contribution to GHG emissions mitigation	Y02T 90/00

G07F 17/00

Coin-freed apparatus for hiring articles; Coin-freed facilities or services

Definition statement

This place covers:

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

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

References

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
Coin-freed facilities for liquid or granular articles	G07F 13/00
Coin-freed facilities for facilities such as electricity and gas	G07F 15/00
Prepayment telephone systems	H04M 17/00

G07F 17/0014

{for vending, access and use of specific services not covered anywhere else in [G07F 17/00](#) (meter-controlled dispensing of liquid, gas or electricity [G07F 15/00](#))}

Definition statement

This place covers:

Devices for access to specific services not being facilities covered anywhere else in [G07F 15/00](#) (metered dispensing of water, electricity, or gas) or specific services such as services for which a fitting indexation is possible within the [G07F 17/00](#) scheme, such as hotel reservations, conditional access to locations, waste deposits.

References

Informative references

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

Coin-freed apparatus with meter-controlled dispensing of liquid, gas or electricity (tariff-metering apparatus in general, G01D 4/00)	G07F 15/00
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G07F 17/0021

{Access to services on a time-basis}

Definition statement

This place covers:

Devices giving access to services metered or charged on a time-basis.

Relationships with other classification places

Devices for accessing the service are to be classified in this group but the payment protocols or architectures are to be classified in the pertinent [G06Q 20/00](#) or its subgroup(s).

References

Informative references

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

Arrangements for time-control in telephone networks	H04M 15/00
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G07F 17/0028

{Use of a wired telephone or public communication device (charging and metering the use of the telecommunication network [H04M 17/02](#))}

Definition statement

This place covers:

Devices giving access to services through the public communication or wired telephone.

References

Informative references

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

Prepayment for use of wireline communication systems or telephone systems	H04M 17/00
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G07F 17/0035

{Participation in a loyalty or discount scheme (data processing for shopping and discounts [G06Q 30/00](#))}

Definition statement

This place covers:

Devices such as SST that give access to loyalty or discount schemes.

References

Informative references

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

Data processing for granting discounts or incentives, e.g. coupons, rebates, offers or up-sales	G06Q 30/0207
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G07F 17/0064**{for processing of food articles (cooking vessels [A47J 37/00](#))}****Definition statement***This place covers:*

Payments actuated dispensing of solid food products that need to be processed before delivery.

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

Drinks and liquid food dispensers	G07F 13/06 or G07F 13/10
Cooking vessels and devices	A47J 37/00

G07F 17/0092**{for assembling and dispensing of pharmaceutical articles (medical dispensers for private use, [A61J 7/00](#))}****Definition statement***This place covers:*

Payment and identity actuated assembling and dispensing of orders of pharmaceutical articles or products.

Only devices similar to vending machines and dispensers are to be classified in [G07F 17/0092](#).**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Tables, desks, cabinets, drawers, general details of the same	A47B
Special furniture, fittings or accessories for shops, store houses or the like	A47F
Diagnosis, surgery, identification	A61B
Trolleys for transport of medicaments, transportation or accommodation for patients	A61G 12/00
Medicament (to be taken orally) distribution systems	A61J 7/0076
Devices for introducing media into the body	A61M
Blister packages	B32B
Packaging of pills and medications	B65B
Containers for storage of articles	B65D
Transport or storage devices, e.g. industrial process for conveying packaged products	B65G
Handling thin or filamentary material, e.g. cutting or perforating strips	B65H
Systems or methods specially adapted for patient record management	G16H 10/60

Data processing specially adapted for medical matters and control of correct dispensing to patient	G16H 20/13
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G07F 17/10

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

Definition statement

This place covers:

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

G07F 17/12

comprising lockable containers, e.g. for accepting clothes to be cleaned

Definition statement

This place covers:

Payment actuated facilities or services comprising lockable containers, e.g. accepting clothes to be cleaned.

References

Informative references

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

Interlocks, e.g. for locking the doors of compartments other than that to be used	G07F 5/26
Dispensers for articles in compartments in fixed receptacles	G07F 11/62
Deposit receptacles for parcels	A47G 29/14

G07F 17/13

{the containers being a postal pick-up locker}

Definition statement

This place covers:

Payment or identity actuated safe-keeping of property left temporarily for mail delivery in personally accessible lockers or locked compartments.

References

Informative references

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

Interlocks, e.g. for locking the doors of compartments other than that to be used	G07F 5/26
Dispensers for articles in compartments in fixed receptacles	G07F 11/62
Mail and letter boxes, deposit receptacles	A47G 29/00
Individual access control to personal compartments	G07C 9/00

G07F 17/14

for fastenings for doors (of containers for safe keeping [G07F 17/12](#)); for turnstiles

Definition statement

This place covers:

Payment actuated control only of real doors of accessible rooms and spaces, NOT doors of compartments in a cupboard or dispenser.

References**Limiting references**

This place does not cover:

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

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

Interlocks (coin-freed) for locking doors of compartments other than that to be used	G07F 5/26
Individual entry or exit control for access to restricted areas	G07C 9/00

G07F 17/16

for devices exhibiting advertisements, announcements, pictures or the like

Definition statement

This place covers:

Payment actuated providing of content such as advertisements, announcements and pictures or video content, e.g. for display. Further also dispensing of on request created content carriers such as DVDs with on request or customized recorded matter, e.g. a payment activated machine for selling/hiring CDs or DVDs.

References**Informative references**

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

Mechanisms and devices for returning box-like containers	G07F 7/069
Payment actuated system or device for printing, stamping, franking, tele-printing apparatus, e.g. delivering content onto blank records	G07F 17/26
Payment actuated processing of accepting of orders	G07F 17/40
Billing for content delivered in television system	H04N 21/2543

G07F 17/18**for washing or drying persons****Definition statement**

This place covers:

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

Special rules of classification

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 place 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

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

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

G07F 17/24**for parking meters****Definition statement**

This place covers:

Payment for use of parking facilities.

References**Limiting references**

This place 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 teleprinting apparatus (ticket printing or the like apparatus [G07F 17/42](#))

Definition statement

This place covers:

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

References**Limiting references**

This place does not cover:

Ticket printing or the like apparatus	G07F 17/42
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Informative references

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

Recording of content on carriers, e.g. CDs, DVDs	G07F 17/16
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G07F 17/32

for games, toys, sports, or amusements

Definition statement

This place covers:

Gaming systems, or aspects thereof, which provide a financial reward, such as gambling, (Internet) betting and casino games. These aspects may relate to hardware, software, data processing, payments, security and game play specifics within the field of gaming systems providing financial rewards.

References**Informative references**

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

Sports; Games; Amusements	A63
Card, Board, Roulette Games or Video Games	A63F
Toys	A63H
Random number generators per se	G07C 15/00

Special rules of classification

A document concerning a gaming system which provides a financial reward must always be classified in at least one of the groups [G07F 17/32](#) - [G07F 17/3283](#) according to the functional feature(s) it discloses (such a classification needs to be as INvention, not as an ADDitional classification).

Furthermore, one or more of the [G07F 17/3286](#) - [G07F 17/38](#) may optionally be assigned as ADDitional classification, depending on the type of game that the document discloses.

G07F 17/34

depending on the stopping of moving members {in a mechanical slot machine}, e.g. "fruit" machines

Definition statement

This place covers:

Mechanical slot machines depending on the stopping of moving members, e.g. "fruit machines".

References**Informative references**

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

Playing without coin collecting means	A63
Traditional board, card or dice games without financial Reward	A63F 1/00 - A63F 11/00
Video games without providing a financial reward	A63F 13/00
Toys	A63H
Random number generators per se	G07C 15/00

Special rules of classification

A document concerning a mechanical slot machine must always be classified in at least one of the groups [G07F 17/32](#) - [G07F 17/3283](#) according to the functional feature(s) it discloses (such a classification needs to be as INvention, not as an ADDitional classification).

Furthermore, one or more of the [G07F 17/3286](#) - [G07F 17/38](#) may optionally be assigned as ADDitional classification, depending on the type of game that the document discloses.

G07F 17/40

for devices for accepting orders, advertisements, or the like

Definition statement

This place covers:

Payment actuated processing of accepted orders, or advertisements.

References**Informative references**

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

Payment actuated systems and devices for exhibiting content such as advertisements, announcements, pictures and the like	G07F 17/16
Payment actuated system or device for printing, stamping, franking, tele-printing apparatus, e.g. delivering content onto blank records	G07F 17/26
Payment actuated access to content providing services, e.g. fax	H04N 1/34

G07F 17/42

for ticket printing or like apparatus {, e.g. apparatus for dispensing of printed paper tickets or payment cards}

Definition statement

This place covers:

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

Special rules of classification

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

G07F 19/00

Complete banking systems; Coded card-free 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 [G06Q 40/02](#))

Definition statement

This place covers:

Automatic Banking machines (ATM) or complete banking networks.

References**Limiting references**

This place does not cover:

Data processing equipment for bank accounting	G06Q 40/02
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Informative references

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

Mechanisms in general actuated by objects other than coins	G07F 7/00
Protocols and data processing of payments	G06Q 20/00
Handling coins or paper currencies apart from coin-free or like apparatus	G07D

G07F 19/20

{Automatic teller machines [ATMs]}

Definition statement

This place covers:

ATM (Automatic Transaction Machines) and Banking Terminals.

References

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

G07F 19/208

{Use of an ATM as a switch or hub}

Definition statement

This place covers:

Use of an ATM as an information hub or switch for the service to be provided or (non-payment related) data to be delivered.

References

Informative references

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

Network arrangements or protocols for real-time communications	H04L 65/00
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