G07D

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

Definition statement

This subclass/group covers:

This subclass covers handling of "coins" or "paper currency" insofar as they carry distinctive value features representative of money or the like.

- • "coins" also covers tokens of similar nature;

- • "paper currency or similar valuable papers" covers banknotes, bills, cheques, vouchers, securities, bonds or the like.

Relationship between large subject matter areas

Handling of articles in general is found in B65G and handling of sheet material in general is found in B65H.

References relevant to classification in this subclass

This subclass/group does not cover:

Coins or security paper as such and the production or manufacturing thereof.	A44C 21/00, G07F 1/06,B42D 15/0013, B42D 15/10, D21H 21/00
Coin-freed or paper currency-freed mechanisms.	G07F

Informative references

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

Counting by weighing	G01G
Counting of objects in general, i.e. without discriminating of denominations	G06M
Handling of articles in general	B65G
Handling of sheet material in	B65H ,A44C 21/00 ,G07F 1/06

generalCoins as such	
Security papers as such	B42D
Sorting in general	B07C

Special rules of classification within this subclass

The IPC group G07D 13/00 is not used in the internal ECLA classification scheme. Subject matter covered in IPC by this groups is classified in the ECLA subgroups under main group G07D 11/00.

Glossary of terms

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

- "coins" also covers tokens of similar nature;

- "paper currency or similar valuable papers" covers banknotes, bills, cheques, vouchers, securities, bonds or the like.

G07D 1/00

Coin dispensers (devices delivering paper currency G07D 11/00)

Definition statement

This subclass/group covers:
Dispensing coins or coin rolls from ordered arrangements thereof

Relationship between large subject matter areas

Feeding of articles from stacks in general is to be found in B65G 59/00

References relevant to classification in this group

This subclass/group does not cover:

Giving change	G07F 5/24, G07D 1/02

Informative references

Change-giving devices	G07F 5/24, G07D 11/0087, G07D 9/02

Special rules of classification within this group

An additional class is given for aspects covered by G07D 1/02 and subgroups

G07D 1/02

giving change [N: (coin-actuated mechanisms in general G07F)]

Relationship between large subject matter areas

Algorithms for giving change, for example which coins to dispense preferentially, are to be found in G07F 5/24.

Coin-actuated mechanisms in general are to be found in G07F

References relevant to classification in this group

This subclass/group does not cover:

Algorithms for giving change; vending; return of a bulk of coins	G07F 5/24; G07F 11/00, G07F 13/00; G07F 1/047

Informative references

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

Coin-actuated mechanisms in general	G07F

Special rules of classification within this group

An additional class is given for aspects covered by G07D 1/00.

There may be some overlap with G07F 5/24

G07D 1/04

dispensing change equal to a sum deposited

Relationship between large subject matter areas

Algorithms for giving change, for example which coins to dispense preferentially, are to be found in G07F 5/24

References relevant to classification in this group

This subclass/group does not cover:

Algorithms for giving change; vending; return of a bulk of coins	G07F 5/24; G07F 11/00, G07F 13/00; G07F 1/047

Special rules of classification within this group

An additional class is given for aspects covered by G07D 1/00.

There may be some overlap with G07F 5/24

G07D 1/06

dispensing the difference between a sum paid and a sum charged

Relationship between large subject matter areas

Algorithms for giving change, for example which coins to dispense preferentially, are to be found in G07F 5/24

References relevant to classification in this group

This subclass/group does not cover:

Algorithms for giving change; vending; return of a bulk of coins	G07F 5/24; G07F 11/00, G07F 13/00; G07F 1/047

Special rules of classification within this group

There may be some overlap with G07F 5/24

G07D 1/08

hand actuated

Definition statement

This subclass/group covers:

The devices classified here are typically carried by vehicles or persons involved in public transport

Relationship between large subject matter areas

Cash registers or tills are to be found in G07G

References relevant to classification in this group

This subclass/group does not cover:

Algorithms for giving change; vending; return of a bulk of coins; cash registers or tills	G07F 5/24; G07F 11/00, G07F 13/00; G07F 1/047; G07G

G07D 3/00

Sorting a mixed bulk of coins into denominations [N: (sorting paper currency G07D 11/0084 ; sorting by coin weight G01G)]

Definition statement

This subclass/group covers:

Sorting of coins either by apertures which remove restraint keeping them on a path (G07D 3/02 to G07D 3/08) or in a space (G07D 3/10), by deflectors which divert them from a path (G07D 3/12) or by means of actuators responding to sensors (G07D 3/14).

Relationship between large subject matter areas

Sorting items in general is to be found in B07C. Sorting bulk material in general is to be found in B07B.

References relevant to classification in this group

This subclass/group does not cover:

Testing of coins for genuineness	G07D 5/00

Informative references

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

Sorting by coin weight	G01G

Sorting paper currency	G07D 11/0084

Special rules of classification within this group

There may be some overlap with G07F 3/04

G07D 3/02

Sorting coins by means of graded apertures

Definition statement

This subclass/group covers:
Graded apertures sort coins by allowing or blocking their passage according to their dimensions, e.g. thickness, diameter

Relationship between large subject matter areas

Sorting items in general is to be found in B07C.

References relevant to classification in this group

This subclass/group does not cover:

Testing coins for genuineness	G07D 5/00

Special rules of classification within this group

There may be some overlap with G07F 3/04

G07D 3/04

arranged on an inclined rail

Definition statement

This subclass/group covers:
Single coins are sorted by a series of apertures.

Relationship between large subject matter areas

Sorting items in general is to be found in B07C.

References relevant to classification in this group

This subclass/group does not cover:

Testing coins for genuineness	G07D 5/00

Special rules of classification within this group

There may be some overlap with G07F 3/04

G07D 3/06

arranged along a circular path

Definition statement

This subclass/group covers:
Single coins are sorted by a series of apertures.

Relationship between large subject matter areas

Sorting items in general is to be found in B07C.

References relevant to classification in this group

This subclass/group does not cover:

Testing coins for genuineness	G07D 5/00

Special rules of classification within this group

There may be some overlap with G07F 3/04

G07D 3/08

arranged on a helix

Definition statement

This subclass/group covers:
Single coins are sorted by a series of apertures.

Relationship between large subject matter areas

Sorting items in general is to be found in B07C.

References relevant to classification in this group

This subclass/group does not cover:

Testing coins for genuineness	G07D 5/00

Special rules of classification within this group

There may be some overlap with G07F 3/04

G07D 3/10

provided by sieves arranged in series

Definition statement

This subclass/group covers:
Coins in bulk are sorted by a series of groups of apertures.

Relationship between large subject matter areas

Sorting material in bulk in general is to be found in B07B.

References relevant to classification in this group

This subclass/group does not cover:

Testing coins for genuineness	G07D 5/00

G07D 3/12

sorting coins by means of stepped deflectors

Definition statement

This subclass/group covers:
Stepped deflectors sort coins by allowing their passage or diverting them to a branch path according to their dimensions, e.g. thickness, diameter.

Relationship between large subject matter areas

Sorting items in general is to be found in B07C.

References relevant to classification in this group

This subclass/group does not cover:

Testing coins for genuineness	G07D 5/00

Special rules of classification within this group

There may be some overlap with G07F 3/04

G07D 3/121

[N: arranged on inclined paths]

Definition statement

This subclass/group covers:
Single coins are sorted by a series of deflectors.

Relationship between large subject matter areas

Sorting items in general is to be found in B07C.

References relevant to classification in this group

This subclass/group does not cover:

Testing coins for genuineness	G07D 5/00

Special rules of classification within this group

There may be some overlap with G07F 3/04

G07D 3/123

[N: the coins being deflected off rails]

Definition statement

This subclass/group covers:
Single coins are sorted by a series of deflectors.

Relationship between large subject matter areas

Sorting items in general is to be found in B07C.

References relevant to classification in this group

This subclass/group does not cover:

Testing coins for genuineness	G07D 5/00

Special rules of classification within this group

There may be some overlap with G07F 3/04

G07D 3/125

[N: by moving deflectors]

Definition statement

This subclass/group covers:
Single coins are sorted by a series of deflectors.

Relationship between large subject matter areas

Sorting items in general is to be found in B07C.

References relevant to classification in this group

This subclass/group does not cover:

Testing coins for genuineness	G07D 5/00

Special rules of classification within this group

There may be some overlap with G07F 3/04

G07D 3/126

[N: the coins being diverted by ramps in channels]

Definition statement

This subclass/group covers:
Single coins are sorted by a series of deflectors.

Relationship between large subject matter areas

Sorting items in general is to be found in B07C.

References relevant to classification in this group

This subclass/group does not cover:

Testing coins for genuineness	G07D 5/00

Special rules of classification within this group

There may be some overlap with G07F 3/04

G07D 3/128

[N: in rotary devices]

Definition statement

This subclass/group covers:
Single coins are sorted by a series of deflectors.

Relationship between large subject matter areas

Sorting items in general is to be found in B07C.

References relevant to classification in this group

This subclass/group does not cover:

Testing coins for genuineness	G07D 5/00

Special rules of classification within this group

There may be some overlap with G07F 3/04

G07D 3/14

in apparatus driven under control of coin-sensing elements

Definition statement

This subclass/group covers:
Single coins are sorted according to signals from sensors, for instance in combination with determination of timing or coin position.

Relationship between large subject matter areas

Sorting items in general is to be found in B07C.

References relevant to classification in this group

This subclass/group does not cover:

Testing coins for genuineness	G07D 5/00

Special rules of classification within this group

There may be some overlap with G07F 3/04.

Some documents may also be classified in G07D 5/00

G07D 3/16

in combination with coin-counting

Special rules of classification within this group

This group is used only when counting is of special significance, and then even when sorting does not occur, the special significance residing in the method and/or means of counting or in an influence on a process such as dispensing or storing coins.

G07D 5/00

Testing specially adapted to determine the identity or genuineness of coins, e.g. for segregating coins which are unacceptable or alien to a currency [N: (in combination with apparatus freed or actuated by coins or the like G07F 3/00)]

Definition statement

This subclass/group covers:

Testing coins for genuineness irrespective of the context: the testing may occur in banking machines, vending machines, cash registers etc. Vibration and acoustic characteristics of coins are classified in this head group.

Relationship between large subject matter areas

The individual groups in G07D 5/00 are roughly parallel to the individual groups in G07F 3/00.

The G07F 3/00 groups are no longer used for classification.

References relevant to classification in this group

This subclass/group does not cover:

Ancillary aspects like banking machines, vending machines, cash registers.	G07D 9/00, G07D 11/00, G07F 13/00, G07G
In combination with apparatus freed or actuated by coins or the like	G07F 3/00

Informative references

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

The G07F 3/02 still contains much of the documentation.	G07F 3/02

Special rules of classification within this group

Classes have to be giving according to the properties of coins which are to be tested, since the individual groups are so defined. There is presently no way to classify means or methods of testing according to their features, for example including (the use of) inductive coils in some arrangement.

Delete G07F 3/00 classes where possible.

In groups G07D 5/02-G07D 5/10, in the absence of an indication to the contrary, classification is made in the last appropriate place

G07D 5/005

[N: Testing the surface pattern, e.g. relief]

Definition statement

This subclass/group covers:
The expression "surface pattern" refers to impressions on the flat faces of coins and to rims extending in the direction of the axis of a coin.

Relationship between large subject matter areas

Parallel to part of G07F 3/027.

References relevant to classification in this group

This subclass/group does not cover:

Testing edge features, e.g. milling.	G07D 5/10

Informative references

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

The G07F 3/027 still contains much of the documentation.	G07F 3/027

Special rules of classification within this group

Delete G07F 3/027 classes where possible.

G07D 5/02

Testing the dimensions, e.g. thickness, diameter; testing the deformation

Definition statement

This subclass/group covers:
Only testing of dimensions.

Relationship between large subject matter areas

Parallel for the most part to G07F 3/022.

References relevant to classification in this group

This subclass/group does not cover:

Testing deformation in the sense of vibrations, hardness (e.g. plastic properties) or elastic properties.	G07D 5/00, G07D 5/06

Informative references

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

| The G07F 3/022 still contains much of the documentation. | G07F 3/022 | |

Special rules of classification within this group

Delete G07F 3/022 classes where possible.

G07D 5/06

Testing the hardness or elasticity

Relationship between large subject matter areas

Vibration and acoustic properties are classified in the head group G07D 5/00.

References relevant to classification in this group

This subclass/group does not cover:

| Vibration or acoustic properties. | G07D 5/00, G07F 3/02 |

Informative references

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

| There may be some overlap with G07F 3/02. | G07F 3/02 |

Special rules of classification within this group

Delete G07F 3/00 classes where possible.

G07D 5/08

Testing the magnetic or electric properties

Relationship between large subject matter areas

Parallel for the most part to the G07F 3/025.

Informative references

The G07F 3/025 still contains much of the documentation.	G07F 3/025

Special rules of classification within this group

Delete G07F 3/00 classes where possible.

G07D 5/10

Testing the rim, e.g. the milling of the rim

Definition statement

This subclass/group covers:
Feature on the periphery of coins are covered.

Relationship between large subject matter areas

Parallel in part to G07F 3/027.

References relevant to classification in this group

This subclass/group does not cover:

Features of the rim in the axial direction of coins.	G07D 5/005

Informative references

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

The G07F 3/027 still contains much of the documentation.	G07F 3/027

Special rules of classification within this group

Delete G07F 3/00 classes where possible.

G07D 7/00

Testing specially adapted to determine the identity or genuineness of paper currency or similar valuable papers, e.g. for segregating those which are unacceptable or alien to a currency [N: (arrangements for verifying the correctness of markings on a record carrier G06K 5/00)]

Definition statement

This subclass/group covers:

Testing is irrespective of context: in banking machines, vending machines, cash registers etc. Both identity (e.g. currency, denomination) and genuineness (i.e. validity, authenticity) are assessed by inspection, identification and validation being different in degree of strictness, for example, basic features (e.g. size, general colour) may be used to decide denomination or identity, whereas security features (holograms, patterns, (digital) watermarks, metallic strips) may be used to decide authenticity. Also covered is assessment of fitness for recirculation.

References relevant to classification in this group

This subclass/group does not cover:

Ancillary aspects like banking machines, vending machines, cash registers, banking systems.	G07D 11/00, G07F 13/00, G07G, G07F 19/00

Informative references

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

The B42D 15/00, especially B42D 15/0013 and subgroups and B42D 15/10 and subgroups, contains the documents in themselves, which may be tested according to the means and methods belonging to G07D 7/00	B42D 15/00
Arrangements for verifying the correctness of markings on a record carrier	G06K 5/00

Special rules of classification within this group

The groups fall into two categories. First, those involving features of valuable papers rather than those of methods and means of testing (G07D 7/0006, G07D 7/004, G07D 7/0046, G07D 7/0093, G07D 7/124, G07D 7/16, G07D

7/18 and their subgroups), and secondly, those involving the features of methods and means of testing (G07D 7/00, G07D 7/04 and G07D 7/02, G07D 7/06 (except G07D 7/124 and subgroups), G07D 7/20 and their subgroups). Classes from the latter set involving features of testing should be given if possible. Classes from the first set should be given as necessary.

Groups G07D 7/16-G07D 7/20 take precedence over groups G07D 7/02-G07D 7/14

G07D 7/0006

[N: Security markings visible to the naked eye]

Relationship between large subject matter areas

There is some overlap with the B42D 15/00.

Informative references

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

Securities	B42D 15/0013

G07D 7/0013

[N: Holograms]

Relationship between large subject matter areas

There is some overlap with the B42D 15/00.

Informative references

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

Documents with holograms; holographic processes; holograms as optical elements	B42D 15/105; G03H 1/00; G02B 5/32

G07D 7/002

[N: Watermarks]

Definition statement

This subclass/group covers:
Watermarks visible to the naked eye, e.g. printed on paper with visible ink

Relationship between large subject matter areas

There may be some overlap with the B42D 15/00.

References relevant to classification in this group

This subclass/group does not cover:

digital watermarks	G07D 7/0046

Informative references

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

Documents with watermarks.	B42D 15/0013

G07D 7/0026

[N: Barcodes]

Relationship between large subject matter areas

There may be some overlap with the B42D 15/00.

G07D 7/0033

[N: Checkcodes, e.g. coded number derived from serial number and value]

Relationship between large subject matter areas

There may be some overlap with the B42D 15/00.

G07D 7/004

[N :using digital security elements]

Definition statement

This subclass/group covers:
The documents in this subgroup include those which should be reclassified to

G07D 7/0026, G07D 7/0033, G07D 7/0046 and subgroups, G07D 7/0093 and G07D 7/20 and subgroups.

Relationship between large subject matter areas

there may be some overlap with the B42D 15/00.

Special rules of classification within this group

This group is no longer used for classification of subject-matter in new documents relating to G07D 7/0026, G07D 7/0033, G07D 7/0046 and subgroups, G07D 7/0093 and G07D 7/20 and subgroups.

G07D 7/0046

[N: Security markings invisible to the naked eye, e.g. "digital watermarks"]

Relationship between large subject matter areas

This subgroup and its sub groups are related to subgroups G07D 7/20 to G07D 7/2066.

Informative references

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

Testing patterns; image watermarks; prevention of copying of banknotes.	G07D 7/20; G06T 1/0021; G03G 21/046.

Special rules of classification within this group

A class should be given from the set G07D 7/20 to G07D 7/2066 if possible.

G07D 7/0053

[N: involving markings added to a pattern, e.g. interstitial points]

Informative references

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

Testing patterns.	G07D 7/20

Special rules of classification within this group

A class should be given from the set G07D 7/20 to G07D 7/2066 if possible.

G07D 7/006

[N: involving markings removed from an original pattern]

Informative references

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

Testing pattern.	G07D 7/20

Special rules of classification within this group

A class should be given from the set G07D 7/20 to G07D 7/2066 if possible.

G07D 7/0066

[N: involving markings the properties of which are altered from original properties]

Informative references

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

Testing patterns.	G07D 7/20

Special rules of classification within this group

A class should be given from the set G07D 7/20 to G07D 7/2066 if possible.

G07D 7/0073

[N: involving markings displaced slightly from original positions within a pattern]

Informative references

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

Testing patterns.	G07D 7/20

Special rules of classification within this group

A class should be given from the set G07D 7/20 to G07D 7/2066 if possible.

G07D 7/008

[N: involving markings of altered colours]

Informative references

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

Testing patterns.	G07D 7/20

Special rules of classification within this group

A class should be given from the set G07D 7/20 to G07D 7/2066 if possible.

G07D 7/0086

[N: involving markings which are altered in dimension, e.g. thickened lines]

Informative references

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

Testing patterns.	G07D 7/20

Special rules of classification within this group

A class should be given from the set G07D 7/20 to G07D 7/2066 if possible.

G07D 7/0093

[N: Circuits in note]

Relationship between large subject matter areas

G06K 19/07: Record carriers with chips.

Informative references

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

Record carriers with chips.	G06K 19/07

Special rules of classification within this group

A class should be given from the set G07D 7/20 to G07D 7/2066 if possible.

G07D 7/02

using electric means, e.g. detecting electric properties of banknotes [N: e.g. detecting electric properties of banknotes (G07D 7/004, G07D 7/04, G07D 7/06 take precedence)]

References relevant to classification in this group

This subclass/group does not cover:

Testing specially adapted to determine the identity or genuineness of paper currency or similar valuable papers, e.g. for segregating those which are unacceptable or alien to a currency using digital security elements	G07D 7/004
Testing specially adapted to determine the identity or genuineness of paper currency or similar valuable papers, e.g. for segregating those which are unacceptable or alien to a currency using magnetic means	G07D 7/04
Testing specially adapted to determine the identity or genuineness of paper currency or similar valuable papers, e.g. for segregating those which are unacceptable or alien to a currency using wave or particle radiation	G07D 7/06

Informative references

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

Securities.	B42D 15/0013

G07D 7/023

[N: Measuring conductivity by direct contact]

Informative references

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

Securities.	B42D 15/0013

G07D 7/026

[N: using capacitive sensors]

Informative references

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

Securities.	B42D 15/0013

G07D 7/04

using magnetic means, e.g. detection of magnetic imprint, [N: detecting magnetic properties of banknotes (G07D 7/004 takes precedence)]

References relevant to classification in this group

This subclass/group does not cover:

Testing specially adapted to determine the identity or genuineness of paper currency or similar valuable papers, e.g. for segregating those which are unacceptable or alien to a currency using digital security elements	G07D 7/004

G07D 7/06

using wave or particle radiation, [N: e.g. radiating waves onto the banknote (G07D 7/004 takes precedence)] [N9810]

This subclass/group does not cover:

Testing specially adapted to determine the identity or genuineness of paper currency or similar valuable papers, e.g. for segregating those which are unacceptable or alien to a currency using digital security elements	G07D 7/004

G07D 7/12

Visible light, infra-red or ultra violet radiation

Informative references

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

Optical analysis of materials.	G01N 21/00.

G07D 7/122

[N: Spectral properties]

Informative references

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

Investigating fluorescence of materials.	G01N 21/64.

G07D 7/124

[N: Optical security elements]

Relationship between large subject matter areas

This subgroup is strongly related to the security documents of B42D 15/00.

Informative references

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

Securities.	B42D 15/0013, B42D 15/10

Special rules of classification within this group

Strictly only methods and means of testing papers with optical security elements should be classified here.

G07D 7/125

[N: Holograms or other interface patterns]

Relationship between large subject matter areas

This subgroup is strongly related to the security documents of B42D 15/00.

Informative references

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

Securities.	B42D 15/105, B42D 15/0013

Special rules of classification within this group

Strictly only methods and means of testing papers with optical security elements should be classified here.

G07D 7/127

[N: Watermarks]

Definition statement

This subclass/group covers:

This group is empty. Its content, mainly related to visible watermarks, has been reclassified in G07D 7/002, G07D 7/0046, G07D 7/20 and their subgroups. It will be deleted in the near future

Informative references

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

Visible watermarks	G07D 7/002
Invisible watermarks	G07D 7/0046

Special rules of classification within this group

No new documents should be classified here, but rather in G07D 7/002.

G07D 7/128

[N: Viewing devices]

Definition statement

This subclass/group covers:
These viewing devices present a physical view of the tested object for visual checking.

G07D 7/166

[N: Folds or doubles]

Informative references

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

Double feeding of sheets.	B65H 7/12

Special rules of classification within this group

Only subject-matter combined with testing of valuable papers should be classified.

G07D 7/18

Testing the stiffness [N: or other mechanical properties, e.g. wear or tear (G07D 7/16 takes precedence)]

Definition statement

This subclass/group covers:
This group is used for general wear and tear (fitness).

References relevant to classification in this group

This subclass/group does not cover:

Testing the dimensions to determine	G07D 7/16

| the identity or genuineness of paper currency or similar valuable papers | |

G07D 7/187

[N: Detecting dirt]

Informative references

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

| Testing using light. Testing patterns. | G07D 7/12, G07D 7/20 |

G07D 7/20

Testing patterns thereon, [N: e.g. recognition of patterns, image processing, comparing to a reference in a memory]

Informative references

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

| Pattern recognition in general. | G06K 9/00. |

G07D 7/2025

[N: Pattern matching]

Definition statement

This subclass/group covers:
Pattern matching in general; template/reference matching.

Informative references

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

| Pattern recognition. | G06K 9/00. |

G07D 7/205

[N: matching spectral properties]

G07D 7/2066

[N: matching with an overlay, e.g. by interference]

G07D 9/00

Counting coins; (in combination with coin-sorting G07D 3/16); Handling of coins not provided for in the other groups of this subclass [N: Informative references - handling of paper currency G07D 11/0021- counting paper currency G07D 11/0084]

Definition statement

This subclass/group covers:

This head group covers machines which accept deposits of coins and dispense coins in the manner that ATMs accept and dispense paper money. Some of these machines handle paper money as well as coins.

Relationship between large subject matter areas

Handling of objects in general: B65G. Machines which accept and dispense paper money are found in G07D 11/00, the transactional and user-interface aspects of such machines (ATMs) being found in G06Q 20/00 and G07F 19/00.

References relevant to classification in this group

This subclass/group does not cover:

Counting coins in combination with coin-sorting	G07D 3/16

Handling paper money; transactional aspects; user-interface aspects.	G07D 11/00; G06Q 20/00, G07F 19/00; **G07F19/00F**.

Informative references

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

Counting paper currency	G07D 11/0084
Handling of paper currency	G07D 11/0021

Special rules of classification within this group

Machines handling paper money as well as coins should be classified also in G07D 11/00.

G07D 9/002

[N: Coin holding devices]

Definition statement

This subclass/group covers:
Includes coin trays and other holders for stacked coins, many of which include means which facilitate counting of coins.

Relationship between large subject matter areas

Containers in general: B65D. Purses, etc.: A45C 1/00.

Informative references

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

Containers in general. Purses, etc.	B65D. A45C 1/00.

G07D 9/004

[N: Coin packages]

Definition statement

This subclass/group covers:
Rigid packages for a single stack of coins.

G07D 9/006

[N: Coin wrappers]

Definition statement

This subclass/group covers:
Flexible wrappers for a single stack of coins.

Informative references

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

Wrapping coins.	G07D 9/065.

G07D 9/008

[N: Feeding coins from bulk]

Relationship between large subject matter areas

Feeding articles in general: B65G 47/00.

References relevant to classification in this group

This subclass/group does not cover:

Feeding coins from ordered arrangements thereof; feeding articles in general.	G07D 1/00; B65G 47/00.

G07D 9/02

Change trays

Definition statement

This subclass/group covers:
These are for holding coins in unordered arrangements being present to persons as change.

G07D 9/04

Hand- or motor-driven devices for counting coins [N: (counting mechanisms in general G06M)]

Counting mechanisms in general	G06M

G07D 9/06

Devices for stacking or otherwise arranging coins on a support, e.g. apertured plate for use in counting coins

Relationship between large subject matter areas

Stacking objects in general: B65G 57/00.

Stacking in general.	B65G 57/00.

G07D 9/065

[N: Devices for wrapping coins]

Relationship between large subject matter areas

Wrapping objects in general: B65B.

Wrapping in general. Coin wrappers.	B65B. G07D 9/006.

G07D 11/00

Devices accepting coins or [N: accepting or dispensing] paper

currency, e.g. depositing machines (apparatus freed or actuated by coins or the like G07F; apparatus freed or actuated by paper currency G07F 7/04; complete banking systems G07F 19/00; [N: arrangements actuated by a coded-card for receiving or dispensing monies or the like and posting such transactions to existing accounts, e.g. automatic teller machines [ATMs] G07F19/00F])

Definition statement

This subclass/group covers:
This group and its subgroups cover machines which accept deposits of paper money and dispense paper money. Some of these machines handle coins as well as paper money.

Relationship between large subject matter areas

Handling of sheet material in general: B65H. Machines which accept and dispense coins are found in G07D 9/00. Transactional and user-interface aspects of ATMs are found in G06Q 20/00 and G07F 19/00.

References relevant to classification in this group

This subclass/group does not cover:

Apparatus freed or actuated by coins or the like	G07F
Apparatus freed or actuated by paper currency	G07F 7/04
Arrangements actuated by a coded-card for receiving or dispensing monies or the like and posting such transactions to existing accounts, e.g. automatic teller machines [ATMs]	**G07F19/00F**
Complete banking systems	G07F 19/00
Transactional aspects; user-interface aspects.	G06Q 20/00, G07F 19/00 ,**G07F19/00F**

Special rules of classification within this group

Machines handling coins as well as paper money should be classified also in

G07D 9/00.

G07D 11/0003

[N: Mechanical details]

Relationship between large subject matter areas

Many of these aspects are found in general in B65H. Cubicles, housings, mountings or surveillance: **G07F19/00F**. Machine architecture: G07D 11/0081.

References relevant to classification in this group

This subclass/group does not cover:

Handlings sheet material in general; cubicles, housings, mountings, surveillance; machine architecture.	B65H; **G07F19/00F**; G07D 11/0081.

Informative references

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

Handling sheet material in general.	B65H.

Special rules of classification within this group

A G07D 11/00 class is given when the mechanical aspects are specifically related to banknotes and their properties.

G07D 11/0006

[N: Note containers]

Definition statement

This subclass/group covers:
Cases where note containers, e.g. cassettes, play a defining role in the function of a paper-money handling machine, e.g. exchange of cassettes in a system of paper-money machines.

Informative references

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

Coin boxes.	G07F 9/06.

G07D 11/0009

[N: Secure note containers, e.g. for transport (coin boxes G07F 9/06; locking means E05B; safes E05G; currency invalidating means E05G 1/14)]

Definition statement

This subclass/group covers:
Locking and protecting paper-money containers and their contents.

References relevant to classification in this group

This subclass/group does not cover:

Coin boxes	G07F 9/06
Currency invalidating means; Spoiling systems in general	E05G 1/14
Portable strong boxes	E05G 1/005

Informative references

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

Coin boxes.	G07F 9/06
Locking means	E05B
Safes	E05G

G07D 11/0012

[N: incorporating note handling devices within the containers]

Informative references

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

Handling sheet material in general.	B65H.

G07D 11/0015

[N: Remote note containers]

Definition statement

This subclass/group covers:
Note handling systems in which the (main) storage of paper money is remote from the user interface.

G07D 11/0018

[N. Inlet or outlet ports]

Definition statement

This subclass/group covers:
Inlet/outlet ports in themselves or sections or modules immediately involved with intake and output of banknotes from paper-money handling machines.

G07D 11/0021

[N: Handling paper currency, e.g. banknotes (handling paper sheets in general B65H)] [N: Informative reference - handling paper sheets in general B65H]

Definition statement

This subclass/group covers:
This subgroup holds many documents which deal with general aspects of sheet handling (B65H).

Informative references

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

Handling sheet material in general.	B65H.

Special rules of classification within this group

This class is given when the mechanical aspects are specifically related to banknotes and their properties.

G07D 11/0024

[N: Note picking]

Definition statement

This subclass/group covers:

This subgroup holds many documents which deal with general aspects of sheet handling (B65H).

Informative references

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

Handling sheet material in general.	B65H.

Special rules of classification within this group

This class is given when the mechanical aspects are specifically related to banknotes and their properties.

G07D 11/0027

[N: Aligning (position of banknote G07D 7/168)]

Definition statement

This subclass/group covers:

This subgroup holds many documents which deal with general aspects of sheet handling (B65H).

References relevant to classification in this group

This subclass/group does not cover:

Position of banknote	G07D 7/168

Informative references

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

Handling sheet material in general.	B65H.

Special rules of classification within this group

This class is given when the mechanical aspects are specifically related to banknotes and their properties.

G07D 11/003

[N: Flattening, e.g. straightening out folds]

Definition statement

This subclass/group covers:

This subgroup holds many documents which deal with general aspects of sheet handling (B65H).

Informative references

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

Handling sheet material in general.	B65H.

Special rules of classification within this group

This class is given when the mechanical aspects are specifically related to banknotes and their properties.

G07D 11/0033

[N: Diverting]

Definition statement

This subclass/group covers:

This subgroup holds many documents which deal with general aspects of sheet handling (B65H).

Informative references

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

Handling sheet material in general.	B65H.

Special rules of classification within this group

This class is given when the mechanical aspects are specifically related to

banknotes and their properties.

G07D 11/0039

[N: for detection of transport malfunction, e.g. jams, misfeeds]

Definition statement

This subclass/group covers:
Transport malfunction in machines handling valuable papers.

Informative references

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

Transport malfunctions in general.	B65H.

Special rules of classification within this group

This class is given when the transport malfunction is specifically related to Machines handling banknotes.

G07D 11/0048

[N: for checking and indicating machine condition, fault detection (registering or indicating the working of machines in general G07C 3/00)]

Informative references

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

Registering or indicating the working of machines in general	G07C 3/00

G07D 11/0066

[N: for tracking or tracing banknotes or cassettes]

Informative references

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

Cassettes, Note containers.	G07D 11/0006

G07D 11/0069

[N: for record keeping (indicating machine condition G07D 11/0048; transaction aspects G07F 19/00)]

Definition statement

This subclass/group covers:

Keeping records of both contents and activities of paper-money handling machines.

References relevant to classification in this group

This subclass/group does not cover:

Indicating machine condition	G07D 11/0048
Transaction aspects	G07F 19/00

G07D 11/0072

[N: Contents of apparatus, e.g. number of stored banknotes]

References relevant to classification in this group

This subclass/group does not cover:

Sensing fill level of cassettes.	G07D 11/0045

G07D 11/0075

[N: Audit trail of performed activities]

References relevant to classification in this group

This subclass/group does not cover:

Transactional aspects.	G07F 19/00.

G07D 11/0081

[N: device architecture, e.g. modular construction]

Definition statement

This subclass/group covers:

This subgroup covers the arrangement in space of the parts of paper-money handling machines and systems.

References relevant to classification in this group

This subclass/group does not cover:

Cubicles or other housings or mountings.	**G07F19/00F**.

G07D 11/0084

[N: Sorting or counting paper currency (sorting coins G07D 3/00- counting coins G07D 9/00)]

Informative references

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

Sorting coins	G07D 3/00
Counting coins	G07D 9/00

G07D 11/0087

[N: Banknote changing devices]

Informative references

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

Change algorithms.	G07F 5/24.

G07D 11/009

[N: Depositing devices]

Definition statement

This subclass/group covers:
These devices are mostly one-way devices: nothing is dispensed.

Relationship between large subject matter areas

Dispensing of paper money is elsewhere in G07D 11/00.

References relevant to classification in this group

This subclass/group does not cover:

Transactional aspects. Safe-deposit boxes.	G06Q 20/00, G07F 19/00. E05G 1/06, E05G 7/001.

Informative references

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

Safes	E05G

G07D 11/0093

[N: Drop boxes]

Definition statement

This subclass/group covers:
These are usually placed near a cash register and mostly accept banknotes singly.

G07D 11/0096

[N: accepting paper currency or other valuables in containers, e.g. in code-marked envelopes]

Relationship between large subject matter areas

Tracking and tracing of containers is to be found in G07D 11/0066.
Transactional aspects are to be found in G06Q 20/00, G07F 19/00.

References relevant to classification in this group

This subclass/group does not cover:

Tracking and tracing; transactional	G07D 11/0066; G06Q 20/00, G07F

aspects.	19/00.

G07D 13/00

Handling of coins or of paper currency or similar valuable papers, characterised by a combination of mechanisms not covered by a single one of groups G07D 1/00-G07D 11/00

Definition statement

This subclass/group covers:
This group is not used.

Special rules of classification within this group

Use instead G07D 11/00 and subgroups