

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 place 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.

Relationships with other classification places

Handling of articles in general is found in [B65G](#) and handling of sheet material in general is found in [B65H](#).

References

Limiting references

This place does not cover:

Coins or security paper as such and the production or manufacturing thereof.	A44C 21/00 , G07F 1/06 , B42D 25/29 , B42D 25/00 , 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:

Sorting in general	B07C
Security papers as such	B42D
Handling of articles in general	B65G
Handling of sheet material in general Coins as such	B65H , A44C 21/00 , G07F 1/06
Counting by weighing	G01G
Counting of objects in general, i.e. without discriminating of denominations	G06M

Special rules of classification

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 place, 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 place covers:*

Dispensing coins or coin rolls from ordered arrangements thereof

Relationships with other classification placesFeeding of articles from stacks in general is to be found in [B65G 59/00](#)**References****Limiting references***This place does not cover:*

Giving change	G07F 5/24 , G07D 1/02
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Informative references*Attention is drawn to the following places, which may be of interest for search:*

Change-giving devices	G07F 5/24 , G07D 11/0087 , G07D 9/02
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Special rules of classificationAn additional class is given for aspects covered by [G07D 1/02](#) and subgroups**G07D 1/02****giving change {(coin-actuated mechanisms in general [G07F](#))}****Relationships with other classification places**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****Limiting references***This place 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
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Informative references*Attention is drawn to the following places, which may be of interest for search:*

Coin-actuated mechanisms in general	G07F
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Special rules of classification

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****Relationships with other classification places**

Algorithms for giving change, for example which coins to dispense preferentially, are to be found in [G07F 5/24](#)

References**Limiting references**

This place 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
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Special rules of classification

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****Relationships with other classification places**

Algorithms for giving change, for example which coins to dispense preferentially, are to be found in [G07F 5/24](#)

References**Limiting references**

This place 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
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Special rules of classification

There may be some overlap with [G07F 5/24](#)

G07D 1/08**hand actuated****Definition statement**

This place covers:

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

Relationships with other classification places

Cash registers or tills are to be found in [G07G](#)

References

Limiting references

This place 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
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G07D 3/00

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

Definition statement

This place covers:

Sorting of coins either by apertures which remove restraint keeping them on a path ([G07D 3/02](#) - [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](#)).

Relationships with other classification places

Sorting items in general is to be found in [B07C](#). Sorting bulk material in general is to be found in [B07B](#).

References

Limiting references

This place does not cover:

Testing of coins for genuineness	G07D 5/00
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Informative references

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

Sorting paper currency	G07D 11/0084
Sorting by coin weight	G01G

Special rules of classification

There may be some overlap with [G07F 3/04](#)

G07D 3/02

Sorting coins by means of graded apertures

Definition statement

This place covers:

Graded apertures sort coins by allowing or blocking their passage according to their dimensions, e.g. thickness, diameter

Relationships with other classification places

Sorting items in general is to be found in [B07C](#).

References**Limiting references**

This place does not cover:

Testing coins for genuineness	G07D 5/00
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Special rules of classification

There may be some overlap with [G07F 3/04](#)

G07D 3/04**arranged on an inclined rail****Definition statement**

This place covers:

Single coins are sorted by a series of apertures.

Relationships with other classification places

Sorting items in general is to be found in [B07C](#).

References**Limiting references**

This place does not cover:

Testing coins for genuineness	G07D 5/00
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Special rules of classification

There may be some overlap with [G07F 3/04](#)

G07D 3/06**arranged along a circular path****Definition statement**

This place covers:

Single coins are sorted by a series of apertures.

Relationships with other classification places

Sorting items in general is to be found in [B07C](#).

References**Limiting references**

This place does not cover:

Testing coins for genuineness	G07D 5/00
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Special rules of classification

There may be some overlap with [G07F 3/04](#)

G07D 3/08**arranged on a helix****Definition statement**

This place covers:

Single coins are sorted by a series of apertures.

Relationships with other classification places

Sorting items in general is to be found in [B07C](#).

References**Limiting references**

This place does not cover:

Testing coins for genuineness	G07D 5/00
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Special rules of classification

There may be some overlap with [G07F 3/04](#)

G07D 3/10**provided by sieves arranged in series****Definition statement**

This place covers:

Coins in bulk are sorted by a series of groups of apertures.

Relationships with other classification places

Sorting material in bulk in general is to be found in [B07B](#).

References**Limiting references**

This place does not cover:

Testing coins for genuineness	G07D 5/00
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G07D 3/12**Sorting coins by means of stepped deflectors****Definition statement**

This place covers:

Stepped deflectors sort coins by allowing their passage or diverting them to a branch path according to their dimensions, e.g. thickness, diameter.

Relationships with other classification places

Sorting items in general is to be found in [B07C](#).

References**Limiting references**

This place does not cover:

Testing coins for genuineness	G07D 5/00
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Special rules of classification

There may be some overlap with [G07F 3/04](#)

G07D 3/121

{arranged on inclined paths}

Definition statement

This place covers:

Single coins are sorted by a series of deflectors.

Relationships with other classification places

Sorting items in general is to be found in [B07C](#).

References**Limiting references**

This place does not cover:

Testing coins for genuineness	G07D 5/00
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Special rules of classification

There may be some overlap with [G07F 3/04](#)

G07D 3/123

{the coins being deflected off rails}

Definition statement

This place covers:

Single coins are sorted by a series of deflectors.

Relationships with other classification places

Sorting items in general is to be found in [B07C](#).

References**Limiting references**

This place does not cover:

Testing coins for genuineness	G07D 5/00
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Special rules of classification

There may be some overlap with [G07F 3/04](#)

G07D 3/125

{by moving deflectors}

Definition statement

This place covers:

Single coins are sorted by a series of deflectors.

Relationships with other classification places

Sorting items in general is to be found in [B07C](#).

References**Limiting references**

This place does not cover:

Testing coins for genuineness	G07D 5/00
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Special rules of classification

There may be some overlap with [G07F 3/04](#)

G07D 3/126

{the coins being diverted by ramps in channels}

Definition statement

This place covers:

Single coins are sorted by a series of deflectors.

Relationships with other classification places

Sorting items in general is to be found in [B07C](#).

References**Limiting references**

This place does not cover:

Testing coins for genuineness	G07D 5/00
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Special rules of classification

There may be some overlap with [G07F 3/04](#)

G07D 3/128

{Rotary devices}

Definition statement

This place covers:

Single coins are sorted by a series of deflectors.

Relationships with other classification places

Sorting items in general is to be found in [B07C](#).

References

Limiting references

This place does not cover:

Testing coins for genuineness	G07D 5/00
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Special rules of classification

There may be some overlap with [G07F 3/04](#)

G07D 3/14

Apparatus driven under control of coin-sensing elements

Definition statement

This place covers:

Single coins are sorted according to signals from sensors, for instance in combination with determination of timing or coin position.

Relationships with other classification places

Sorting items in general is to be found in [B07C](#).

References

Limiting references

This place does not cover:

Testing coins for genuineness	G07D 5/00
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Special rules of classification

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

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 {(in combination with apparatus freed or actuated by coins or the like [G07F 3/00](#))}

Definition statement

This place 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.

Relationships with other classification places

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

Limiting references

This place 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
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Special rules of classification

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

{Testing the surface pattern, e.g. relief}

Definition statement

This place 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.

Relationships with other classification places

Parallel to part of [G07F 3/027](#).

References

Limiting references

This place does not cover:

Testing edge features, e.g. milling.	G07D 5/10
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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
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Special rules of classification

Delete [G07F 3/027](#) classes where possible.

G07D 5/02

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

Definition statement

This place covers:

Only testing of dimensions.

Relationships with other classification places

Parallel for the most part to [G07F 3/022](#).

References

Limiting references

This place does not cover:

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

Delete [G07F 3/022](#) classes where possible.

G07D 5/06**Testing the hardness or elasticity****Relationships with other classification places**

Vibration and acoustic properties are classified in the head group [G07D 5/00](#).

References**Limiting references**

This place does not cover:

Vibration or acoustic properties.	G07D 5/00 , G07F 3/02
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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
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Special rules of classification

Delete [G07F 3/00](#) classes where possible.

G07D 5/08**Testing the magnetic or electric properties****Relationships with other classification places**

Parallel for the most part to the [G07F 3/025](#).

References**Informative references**

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

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

Delete [G07F 3/00](#) classes where possible.

G07D 5/10**Testing the rim, e.g. the milling of the rim****Definition statement**

This place covers:

Feature on the periphery of coins are covered.

Relationships with other classification places

Parallel in part to [G07F 3/027](#).

References

Limiting references

This place does not cover:

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

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 {(arrangements for verifying the correctness of markings on a record carrier [G06K 5/00](#))}

Definition statement

This place 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

Limiting references

This place does not cover:

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

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

The B42D 15/00 , especially B42D 25/29 and subgroups and B42D 25/00 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

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

{Security markings visible to the naked eye}

Relationships with other classification places

There is some overlap with the [B42D 15/00](#).

References

Informative references

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

Securities	B42D 25/29
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G07D 7/0013

{Holograms}

Relationships with other classification places

There is some overlap with the [B42D 15/00](#).

References

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 25/328 ; G03H 1/00 ; G02B 5/32
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G07D 7/002

{Watermarks}

Definition statement

This place covers:

Watermarks visible to the naked eye, e.g. printed on paper with visible ink

Relationships with other classification places

There may be some overlap with the [B42D 15/00](#).

References

Limiting references

This place does not cover:

digital watermarks	G07D 7/0046
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Informative references

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

Documents with watermarks.	B42D 25/29
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G07D 7/0026

{Barcodes}

Relationships with other classification places

There may be some overlap with the [B42D 15/00](#).

G07D 7/0033

{Checkcodes, e.g. coded number derived from serial number and value}

Relationships with other classification places

There may be some overlap with the [B42D 15/00](#).

G07D 7/004

{using digital security elements}

Definition statement

This place 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.

Relationships with other classification places

there may be some overlap with the [B42D 15/00](#).

Special rules of classification

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

{Security markings invisible to the naked eye, e.g. "digital watermarks"}

Relationships with other classification places

This subgroup and its sub groups are related to subgroups [G07D 7/20](#) - [G07D 7/2066](#).

References

Informative references

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

Testing patterns	G07D 7/20
Prevention of copying of banknotes	G03G 21/046
Image watermarks	G06T 1/0021

Special rules of classification

A class should be given from the set [G07D 7/20](#) - [G07D 7/2066](#) if possible.

G07D 7/0053

{involving markings added to a pattern, e.g. interstitial points}

References

Informative references

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

Testing security patterns	G07D 7/20
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Special rules of classification

A class should be given from the set [G07D 7/20](#) - [G07D 7/2066](#) if possible.

G07D 7/006

{involving markings removed from an original pattern}

References

Informative references

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

Testing pattern.	G07D 7/20
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Special rules of classification

A class should be given from the set [G07D 7/20](#) - [G07D 7/2066](#) if possible.

G07D 7/0066

{involving markings the properties of which are altered from original properties}

References

Informative references

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

Testing patterns.	G07D 7/20
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Special rules of classification

A class should be given from the set [G07D 7/20](#) - [G07D 7/2066](#) if possible.

G07D 7/0073

{involving markings displaced slightly from original positions within a pattern}

References**Informative references**

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

Testing patterns.	G07D 7/20
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Special rules of classification

A class should be given from the set [G07D 7/20](#) - [G07D 7/2066](#) if possible.

G07D 7/008

{involving markings of altered colours}

References**Informative references**

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

Testing patterns.	G07D 7/20
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Special rules of classification

A class should be given from the set [G07D 7/20](#) - [G07D 7/2066](#) if possible.

G07D 7/0086

{involving markings which are altered in dimension, e.g. thickened lines}

References**Informative references**

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

Testing patterns.	G07D 7/20
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Special rules of classification

A class should be given from the set [G07D 7/20](#) - [G07D 7/2066](#) if possible.

G07D 7/0093

{Circuits in note}

Relationships with other classification places

[G06K 19/07](#): Record carriers with chips.

References

Informative references

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

Record carriers with chips.	G06K 19/07
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Special rules of classification

A class should be given from the set [G07D 7/20](#) - [G07D 7/2066](#) if possible.

G07D 7/02

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

References

Limiting references

This place 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 25/29
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G07D 7/023

{Measuring conductivity by direct contact}

References

Informative references

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

Securities.	B42D 25/29
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G07D 7/026**{using capacitive sensors}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Securities.	B42D 25/29
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G07D 7/04**using magnetic means, e.g. detection of magnetic imprint, {detecting magnetic properties of banknotes ([G07D 7/004](#) takes precedence)}****References*****Limiting references****This place 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
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G07D 7/06**using wave or particle radiation, {e.g. radiating waves onto the banknote ([G07D 7/004](#) takes precedence)}****References*****Limiting references****This place 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
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G07D 7/12**Visible light, infra-red or ultra violet radiation****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Optical analysis of materials.	G01N 21/00.
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G07D 7/122**{Spectral properties}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Investigating fluorescence of materials.	G01N 21/64 .
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G07D 7/124**{Optical security elements}****Relationships with other classification places**This subgroup is strongly related to the security documents of [B42D 15/00](#).**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Securities.	B42D 25/29 , B42D 25/00
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Special rules of classification

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

G07D 7/125**{Holograms or other interface patterns}****Relationships with other classification places**This subgroup is strongly related to the security documents of [B42D 15/00](#).**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Securities.	B42D 25/328 , B42D 25/29
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Special rules of classification

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

G07D 7/127

{Watermarks}

Definition statement

This place 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

References

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

No new documents should be classified here, but rather in [G07D 7/002](#).

G07D 7/128

{Viewing devices}

Definition statement

This place covers:

These viewing devices present a physical view of the tested object for visual checking.

G07D 7/166

{Folds or doubles}

References

Informative references

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

Double feeding of sheets.	B65H 7/12
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Special rules of classification

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

G07D 7/18

**Testing the stiffness {or other mechanical properties, e.g. wear or tear
([G07D 7/16](#) takes precedence)}**

Definition statement

This place covers:

This group is used for general wear and tear (fitness).

References

Limiting references

This place does not cover:

Testing the dimensions to determine the identity or genuineness of paper currency or similar valuable papers	G07D 7/16
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G07D 7/187

{Detecting dirt}

References

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
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G07D 7/20

Testing patterns thereon {, e.g. recognition of patterns, image processing, comparing to a reference in a memory}

References

Informative references

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

Pattern recognition in general.	G06K 9/00 .
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G07D 7/2025

{Pattern matching}

Definition statement

This place covers:

Pattern matching in general; template/reference matching.

References

Informative references

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

Pattern recognition.	G06K 9/00 .
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G07D 7/205**{matching spectral properties}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Testing spectral properties.	G07D 7/122.
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G07D 7/2066**{matching with an overlay, e.g. by interference}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Viewing devices. Securities.	B42D 25/29.
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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****Definition statement***This place 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.

Relationships with other classification places

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**Limiting references***This place 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 ; G07F 19/20 .

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

Handling of paper currency	G07D 11/0021
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Counting paper currency	G07D 11/0084
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Special rules of classification

Machines handling paper money as well as coins should be classified also in [G07D 11/00](#).

G07D 9/002

{Coin holding devices}

Definition statement

This place covers:

Includes coin trays and other holders for stacked coins, many of which include means which facilitate counting of coins.

Relationships with other classification places

Containers in general: [B65D](#). Purses, etc.: [A45C 1/00](#).

References

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 .
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G07D 9/004

{Coin packages}

Definition statement

This place covers:

Rigid packages for a single stack of coins.

G07D 9/006

{Coin wrappers}

Definition statement

This place covers:

Flexible wrappers for a single stack of coins.

References

Informative references

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

Wrapping coins.	G07D 9/065 .
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G07D 9/008**{Feeding coins from bulk}****Relationships with other classification places**Feeding articles in general: [B65G 47/00](#).**References****Limiting references***This place does not cover:*

Feeding coins from ordered arrangements thereof; feeding articles in general.	G07D 1/00 ; B65G 47/00 .
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G07D 9/02**Change trays****Definition statement***This place 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 {(counting mechanisms in general [G06M](#))}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Counting mechanisms in general	G06M
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G07D 9/06**Devices for stacking or otherwise arranging coins on a support, e.g. apertured plate for use in counting coins****Relationships with other classification places**Stacking objects in general: [B65G 57/00](#).**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Stacking in general.	B65G 57/00 .
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G07D 9/065

{Devices for wrapping coins}

Relationships with other classification places

Wrapping objects in general: [B65B](#).

References

Informative references

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

Wrapping in general. Coin wrappers.	B65B . G07D 9/006 .
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G07D 11/00

Devices accepting coins or {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](#); {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] [G07F 19/20](#)))

Definition statement

This place 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.

Relationships with other classification places

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

Limiting references

This place does not cover:

Transactional aspects; user-interface aspects.	G06Q 20/00 , G07F 19/00 , G07F 19/20
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
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]	G07F 19/20

Special rules of classification

Machines handling coins as well as paper money should be classified also in [G07D 9/00](#).

G07D 11/0003

{Mechanical details}

Relationships with other classification places

Many of these aspects are found in general in [B65H](#). Cubicles, housings, mountings or surveillance: [G07F 19/20](#). Machine architecture: [G07D 11/0081](#).

References

Limiting references

This place does not cover:

Handlings sheet material in general; cubicles, housings, mountings, surveillance; machine architecture.	B65H ; G07F 19/20 ; G07D 11/0081 .
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Informative references

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

Handling sheet material in general.	B65H .
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Special rules of classification

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

G07D 11/0006

{Note containers}

Definition statement

This place 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.

References

Informative references

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

Coin boxes.	G07F 9/06 .
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G07D 11/0009

{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 place covers:

Locking and protecting paper-money containers and their contents.

References

Limiting references

This place does not cover:

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

Informative references

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

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

G07D 11/0012

{incorporating note handling devices within the containers}

References

Informative references

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

Handling sheet material in general.	B65H.
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G07D 11/0015

{Remote note containers}

Definition statement

This place covers:

Note handling systems in which the (main) storage of paper money is remote from the user interface.

G07D 11/0018

{Inlet or outlet ports}

Definition statement

This place 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

{Handling paper currency, e.g. banknotes (handling paper sheets in general [B65H](#))}

Definition statement

This place covers:

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

References**Informative references**

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

Handling sheet material in general.	B65H .
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Special rules of classification

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

G07D 11/0024

{Note picking}

Definition statement

This place covers:

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

References**Informative references**

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

Handling sheet material in general.	B65H .
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Special rules of classification

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

G07D 11/0027

{Aligning (position of banknote [G07D 7/168](#))}

Definition statement

This place covers:

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

References

Limiting references

This place does not cover:

Position of banknote	G07D 7/168
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Informative references

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

Handling sheet material in general.	B65H.
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Special rules of classification

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

G07D 11/003

{Flattening, e.g. straightening out folds}

Definition statement

This place covers:

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

References

Informative references

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

Handling sheet material in general.	B65H.
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Special rules of classification

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

G07D 11/0033

{Diverting}

Definition statement

This place covers:

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

References

Informative references

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

Handling sheet material in general.	B65H.
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Special rules of classification

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

G07D 11/0039

{for detection of transport malfunction, e.g. jams, misfeeds}

Definition statement

This place covers:

Transport malfunction in machines handling valuable papers.

References**Informative references**

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

Transport malfunctions in general.	B65H.
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Special rules of classification

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

G07D 11/0048

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

References**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
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G07D 11/0066

{for tracking or tracing banknotes or cassettes}

References**Informative references**

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

Cassettes, Note containers.	G07D 11/0006
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G07D 11/0069

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

Definition statement

This place covers:

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

References**Limiting references**

This place does not cover:

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

G07D 11/0072

{Contents of apparatus, e.g. number of stored banknotes}

References**Limiting references**

This place does not cover:

Sensing fill level of cassettes.	G07D 11/0045
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G07D 11/0075

{Audit trail of performed activities}

References**Limiting references**

This place does not cover:

Transactional aspects.	G07F 19/00.
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G07D 11/0081

{Device architecture, e.g. modular construction}

Definition statement

This place covers:

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

References

Limiting references

This place does not cover:

Cubicles or other housings or mountings.	G07F 19/20 .
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G07D 11/0084

{Sorting or counting paper currency (sorting coins [G07D 3/00](#) - counting coins [G07D 9/00](#))}

References

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

{Banknote changing devices}

References

Informative references

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

Change algorithms.	G07F 5/24 .
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G07D 11/009

{Depositing devices (safes [E05G](#))}

Definition statement

This place covers:

These devices are mostly one-way devices: nothing is dispensed.

Relationships with other classification places

Dispensing of paper money is elsewhere in [G07D 11/00](#).

References

Limiting references

This place does not cover:

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

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

Safes	E05G
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G07D 11/0093

{Drop boxes}

Definition statement

This place covers:

These are usually placed near a cash register and mostly accept banknotes singly.

G07D 11/0096

{Accepting paper currency or other valuables in containers, e.g. in code-marked envelopes}

Relationships with other classification places

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**Limiting references**

This place does not cover:

Tracking and tracing; transactional aspects.	G07D 11/0066 ; G06Q 20/00 , G07F 19/00 .
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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 place covers:

This group is not used.

Special rules of classification

Use instead [G07D 11/00](#) and subgroups