

## 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.	<a href="#">A44C 21/00</a> , <a href="#">G07F 1/06</a> , <a href="#">B42D 25/29</a> , <a href="#">B42D 25/00</a> , <a href="#">D21H 21/00</a>
Coin-freed or paper currency-freed mechanisms.	<a href="#">G07F</a>

##### Informative references

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

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

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

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

Change-giving devices	<a href="#">G07F 5/24</a> , <a href="#">G07D 11/0087</a> , <a href="#">G07D 9/02</a>
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**Special rules of classification**An 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	<a href="#">G07F 5/24</a> ; <a href="#">G07F 11/00</a> , <a href="#">G07F 13/00</a> ; <a href="#">G07F 1/047</a>
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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	<a href="#">G07F</a>
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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	<a href="#">G07F 5/24</a> ; <a href="#">G07F 11/00</a> , <a href="#">G07F 13/00</a> ; <a href="#">G07F 1/047</a>
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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	<a href="#">G07F 5/24</a> ; <a href="#">G07F 11/00</a> , <a href="#">G07F 13/00</a> ; <a href="#">G07F 1/047</a>
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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	<a href="#">G07F 5/24</a> ; <a href="#">G07F 11/00</a> , <a href="#">G07F 13/00</a> ; <a href="#">G07F 1/047</a> ; <a href="#">G07G</a>
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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	<a href="#">G07D 5/00</a>
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### Informative references

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

Sorting paper currency	<a href="#">G07D 11/0084</a>
Sorting by coin weight	<a href="#">G01G</a>

## 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	<a href="#">G07D 5/00</a>
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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	<a href="#">G07D 5/00</a>
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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	<a href="#">G07D 5/00</a>
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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	<a href="#">G07D 5/00</a>
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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	<a href="#">G07D 5/00</a>
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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	<a href="#">G07D 5/00</a>
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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	<a href="#">G07D 5/00</a>
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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	<a href="#">G07D 5/00</a>
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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	<a href="#">G07D 5/00</a>
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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	<a href="#">G07D 5/00</a>
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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	<a href="#">G07D 5/00</a>
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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	<a href="#">G07D 5/00</a>
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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.	<a href="#">G07D 9/00</a> , <a href="#">G07D 11/00</a> , <a href="#">G07F 13/00</a> , <a href="#">G07G</a>
In combination with apparatus freed or actuated by coins or the like	<a href="#">G07F 3/00</a>

##### Informative references

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

The <a href="#">G07F 3/02</a> still contains much of the documentation.	<a href="#">G07F 3/02</a>
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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.	<a href="#">G07D 5/10</a>
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#### Informative references

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

The <a href="#">G07F 3/027</a> still contains much of the documentation.	<a href="#">G07F 3/027</a>
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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.	<a href="#">G07D 5/00</a> , <a href="#">G07D 5/06</a>
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#### Informative references

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

The <a href="#">G07F 3/022</a> still contains much of the documentation.	<a href="#">G07F 3/022</a>
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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.	<a href="#">G07D 5/00</a> , <a href="#">G07F 3/02</a>
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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 <a href="#">G07F 3/02</a> .	<a href="#">G07F 3/02</a>
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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 <a href="#">G07F 3/025</a> still contains much of the documentation.	<a href="#">G07F 3/025</a>
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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.	<a href="#">G07D 5/005</a>
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### Informative references

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

The <a href="#">G07F 3/027</a> still contains much of the documentation.	<a href="#">G07F 3/027</a>
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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 or for segregating those which are alien to a currency or otherwise unacceptable**

## Definition statement

*This place covers:*

Testing of paper currency in banking machines, vending machines, or cash registers, wherein both the identity, e.g. currency or denomination, and the genuineness, i.e. validity or authenticity, are assessed. Inspection, identification or validation processes can be different in degree of strictness, for example, basic features, e.g. size or colour, may be used to identify the denomination or identity, whereas security features, e.g. holograms, patterns, (digital) watermarks or metallic strips, may be used to verify the authenticity.

Assessment of fitness for recirculation.

## References

### Informative references

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

Devices accepting coins or paper currency, e.g. depositing machines	<a href="#">G07D 11/00</a>
Printed matter of special format or style not otherwise provided for	<a href="#">B42D 15/00</a>
Arrangements for verifying the correctness of markings on a record carrier	<a href="#">G06K 5/00</a>
Coin-free apparatus for controlling dispensing of fluids, semiliquids or granular material from reservoirs	<a href="#">G07F 13/00</a>
Complete banking systems; Coded card-free arrangements adapted for dispensing or receiving monies or the like and posting such transactions to existing accounts, e.g. automatic teller machines	<a href="#">G07F 19/00</a>
Registering the receipt of cash, valuables or tokens	<a href="#">G07G</a>

## Special rules of classification

The main group comprises two sections. The first section [G07D 7/003](#) – [G07D 7/01](#) covers the features of valuable papers rather than the methods and means of testing. The second section, [G07D 7/02](#) – [G07D 7/20](#) relates to methods and means of testing.

Classification is made in both ranges as identified above, whenever appropriate.

## G07D 7/0032

{using holograms}

### References

#### Informative references

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

Printed matter of special format or style not otherwise provided for	<a href="#">B42D 15/00</a>
Holograms as optical elements	<a href="#">G02B 5/32</a>
Holographic processes	<a href="#">G03H 1/00</a>

## G07D 7/0034

{using watermarks}

### Definition statement

*This place covers:*

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

### References

#### Informative references

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

Digital watermarks	<a href="#">G07D 7/005</a>
Printed matter of special format or style not otherwise provided for	<a href="#">B42D 15/00</a>

## G07D 7/004

using digital security elements, e.g. information coded on a magnetic thread or strip

### Definition statement

*This place covers:*

Digital security elements, where the information is coded on a magnetic thread or strip.

### Relationships with other classification places

While [G07D 7/00](#) covers testing of paper currency, the printing of paper currency is covered by [B42D](#).

**G07D 7/0043**

using barcodes

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

Printed matter of special format or style not otherwise provided for	<a href="#">B42D 15/00</a>
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**G07D 7/0047**

using checkcodes, e.g. coded numbers derived from serial number and denomination

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

Printed matter of special format or style not otherwise provided for	<a href="#">B42D 15/00</a>
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**G07D 7/005**

Testing security markings invisible to the naked eye, e.g. verifying thickened lines or unobtrusive markings or alterations

**Relationships with other classification places**This subgroup and its sub groups are related to subgroups [G07D 7/20](#) - [G07D 7/207](#).**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Testing patterns	<a href="#">G07D 7/20</a>
Prevention of copying of banknotes	<a href="#">G03G 21/046</a>
Image watermarks	<a href="#">G06T 1/0021</a>

**Special rules of classification**Classification is made additionally in the range [G07D 7/20-G07D 7/207](#) whenever appropriate.

**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	<a href="#">G07D 7/20</a>
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**Special rules of classification**

Classification is made additionally in the range [G07D 7/20-G07D 7/207](#) whenever appropriate.

**G07D 7/0054**

{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	<a href="#">G07D 7/20</a>
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**Special rules of classification**

Classification is made additionally in the range [G07D 7/20-G07D 7/207](#) whenever appropriate.

**G07D 7/0055**

{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	<a href="#">G07D 7/20</a>
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**Special rules of classification**

Classification is made additionally in the range [G07D 7/20-G07D 7/207](#) whenever appropriate.

**G07D 7/0057**

{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	<a href="#">G07D 7/20</a>
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**Special rules of classification**

Classification is made additionally in the range [G07D 7/20](#) to [G07D 7/207](#) whenever appropriate.

**G07D 7/01****Testing electronic circuits therein****References****Informative references**

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

Record carriers with chips	<a href="#">G06K 19/07</a>
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**Special rules of classification**

Classification is made additionally in the range [G07D 7/20-G07D 7/207](#) whenever appropriate.

Groups [G07D 7/16-G07D 7/20](#) take precedence over groups [G07D 7/02-G07D 7/14](#).

**G07D 7/02****Testing electrical properties of the materials thereof ([G07D 7/01](#) takes precedence)****References****Limiting references**

This place does not cover:

Testing electronic circuits	<a href="#">G07D 7/01</a>
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**Informative references**

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

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	<a href="#">G07D 7/004</a>
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	<a href="#">G07D 7/04</a>
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	<a href="#">G07D 7/06</a>
Printed matter of special format or style not otherwise provided for	<a href="#">B42D 15/00</a>

**Special rules of classification**

Groups [G07D 7/16-G07D 7/20](#) take precedence over groups [G07D 7/02-G07D 7/14](#).

**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.	<a href="#">B42D 25/29</a>
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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.	<a href="#">B42D 25/29</a>
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**G07D 7/04****Testing magnetic properties of the materials thereof, e.g. by detection of magnetic imprint ([G07D 7/01](#) takes precedence)****References****Limiting references**

This place does not cover:

Testing electronic circuits	<a href="#">G07D 7/01</a>
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**Informative references**

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

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	<a href="#">G07D 7/004</a>
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**Special rules of classification**

Groups [G07D 7/16-G07D 7/20](#) take precedence over groups [G07D 7/02-G07D 7/14](#).

**G07D 7/06****using wave or particle radiation****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

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	<a href="#">G07D 7/004</a>
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**G07D 7/12****Visible light, infra-red or ultraviolet radiation****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Optical analysis of materials.	<a href="#">G01N 21/00.</a>
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**G07D 7/1205****Testing spectral properties****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Investigating fluorescence of materials	<a href="#">G01N 21/64</a>
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**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 7/181****Testing mechanical properties or condition, 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	<a href="#">G07D 7/16</a>
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## G07D 7/183

### Detecting folds or doubles

## References

### Informative references

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

Double feeding of sheets.	<a href="#">B65H 7/12</a>
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## Special rules of classification

Only subject matter relating to testing of valuable papers should be classified in this group.

## G07D 7/187

### Detecting defacement or contamination, e.g. dirt

## References

### Informative references

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

Testing using light. Testing patterns.	<a href="#">G07D 7/12</a> , <a href="#">G07D 7/20</a>
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## Special rules of classification

Groups [G07D 7/16-G07D 7/20](#) take precedence over groups [G07D 7/02-G07D 7/14](#).

## G07D 7/20

### Testing patterns thereon ([G07D 7/004](#), [G07D 7/005](#) 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	<a href="#">G07D 7/004</a>
Testing security markings invisible to the naked eye, e.g. verifying thickened lines or unobtrusive markings or alterations	<a href="#">G07D 7/005</a>

**Informative references**

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

Pattern recognition in general.	<a href="#">G06K 9/00.</a>
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**G07D 7/202**

using 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.	<a href="#">G06K 9/00.</a>
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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.	<a href="#">G07D 7/1205.</a>
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**G07D 7/207**

Matching patterns that are created by the interaction of two or more layers, e.g. moiré patterns

**References****Informative references**

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

Printed matter of special format or style not otherwise provided for	<a href="#">B42D 15/00</a>
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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	<a href="#">G07D 3/16</a>
Handling paper money; transactional aspects; user-interface aspects.	<a href="#">G07D 11/00</a> ; <a href="#">G06Q 20/00</a> , <a href="#">G07F 19/00</a> ; <a href="#">G07F 19/20</a> .

#### Informative references

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

Handling of paper currency	<a href="#">G07D 11/0021</a>
Counting paper currency	<a href="#">G07D 11/0084</a>

### 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.	<a href="#">B65D. A45C 1/00.</a>
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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.	<a href="#">G07D 9/065.</a>
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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.	<a href="#">G07D 1/00;</a> <a href="#">B65G 47/00.</a>
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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	<a href="#">G06M</a>
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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.	<a href="#">B65G 57/00</a> .
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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.	<a href="#">B65B</a> . <a href="#">G07D 9/006</a> .
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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.	<a href="#">G06Q 20/00</a> , <a href="#">G07F 19/00</a> , <a href="#">G07F 19/20</a>
Apparatus freed or actuated by coins or the like	<a href="#">G07F</a>
Apparatus freed or actuated by paper currency	<a href="#">G07F 7/04</a>
Complete banking systems	<a href="#">G07F 19/00</a>
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]	<a href="#">G07F 19/20</a>

### 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.	<a href="#">B65H</a> ; <a href="#">G07F 19/20</a> ; <a href="#">G07D 11/0081</a> .
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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.	<a href="#">B65H</a> .
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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.	<a href="#">G07F 9/06</a> .
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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	<a href="#">E05G 1/005</a>
Currency invalidating means; Spoiling systems in general	<a href="#">E05G 1/14</a>
Coin boxes	<a href="#">G07F 9/06</a>

**Informative references**

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

Locking means	<a href="#">E05B</a>
Safes	<a href="#">E05G</a>
Coin boxes.	<a href="#">G07F 9/06</a>

**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.	<a href="#">B65H.</a>
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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.	<a href="#">B65H.</a>
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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.	<a href="#">B65H</a> .
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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 (apparatus characterised by positioning means or by means responsive to positioning [G07D 7/17](#))}****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	<a href="#">G07D 7/17</a>
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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.	<a href="#">B65H</a> .
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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.	<a href="#">B65H</a> .
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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.	<a href="#">B65H</a> .
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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.	<a href="#">B65H</a> .
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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	<a href="#">G07C 3/00</a>
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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.	<a href="#">G07D 11/0006</a>
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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	<a href="#">G07D 11/0048</a>
Transaction aspects	<a href="#">G07F 19/00</a>

**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.	<a href="#">G07D 11/0045</a>
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**G07D 11/0075****{Audit trail of performed activities}****References****Limiting references***This place does not cover:*

Transactional aspects.	<a href="#">G07F 19/00.</a>
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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.	<a href="#">G07F 19/20.</a>
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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	<a href="#">G07D 3/00</a>
Counting coins	<a href="#">G07D 9/00</a>

**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.	<a href="#">G07F 5/24</a> .
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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.	<a href="#">G06Q 20/00</a> , <a href="#">G07F 19/00</a> . <a href="#">E05G 1/06</a> , <a href="#">E05G 7/001</a> .
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**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Safes	<a href="#">E05G</a>
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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.	<a href="#">G07D 11/0066</a> ; <a href="#">G06Q 20/00</a> , <a href="#">G07F 19/00</a> .
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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