

## G09C

### CIPHERING OR DECIPHERING APPARATUS FOR CRYPTOGRAPHIC OR OTHER PURPOSES INVOLVING THE NEED FOR SECRECY

#### Definition statement

*This place covers:*

Apparatus or methods for ciphering or deciphering whereby a given sequence of signs (e.g. an intelligible text) is transformed into an unintelligible sequence of signs by transposing the signs or groups of signs or by replacing them by others according to a predetermined system, e.g. replacing plain text by a scrambled sequence .

Typewriters specially adapted for ciphering or deciphering cryptographic text.

Other apparatus or methods for ciphering or deciphering, e.g. involving the concealment or deformation of graphic data such as designs, written or printed messages.

#### References

##### Application-oriented references

*Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

Secret communication for (analogue) speech signals	<a href="#">H04K 1/00</a>
Cryptographic mechanisms or cryptographic arrangements for secret or secure communication	<a href="#">H04L 9/00</a>

##### Informative references

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

Holographic processes	<a href="#">G03H</a>
Pattern recognition	<a href="#">G06F 18/00</a>
Security arrangements for protecting computers against unauthorised activity	<a href="#">G06F 21/00</a>
Marking record carries	<a href="#">G06K 1/00</a> - <a href="#">G06K 3/00</a>
General purpose image data processing	<a href="#">G06T 1/00</a>
Character recognition, recognising digital ink or document-oriented image-based pattern recognition	<a href="#">G06V 30/00</a>
Individual entry or exit registers	<a href="#">G07C 9/00</a>
Testing paper currency	<a href="#">G07D 7/00</a>
Mechanisms actuated by objects other than coins to free or to actuate vending, hiring, coin or paper currency dispensing or refunding apparatus	<a href="#">G07F 7/00</a>
Information storage based on relative movement between record carrier and transducer	<a href="#">G11B</a>
Coding, decoding or code conversion, in general	<a href="#">H03M</a>
Secrecy systems for scanning, transmission or reproduction of documents	<a href="#">H04N 1/44</a>

## G09C 3/00

**Typewriters for ciphering or deciphering cryptographic text (marking record carriers [G06K](#))**

### Definition statement

*This place covers:*

Mechanical or electro-mechanical devices with keys whose operation realizes a transposal or replacement of signs or groups of signs

### References

#### Informative references

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

Typewriters characterised by the purpose for which they are constructed	<a href="#">B41J 3/00</a>
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## G09C 5/00

**Ciphering apparatus or methods not provided for in the preceding groups, e.g. involving the concealment or deformation of graphic data such as designs, written or printed messages**

### Definition statement

*This place covers:*

Techniques and devices for hidden messages or images such as passwords, personal identification codes.

Visual cryptography.

Ciphering techniques for securing printed messages or images.

Examples: US2009245512, US2010188709, US2005044395.

### References

#### Informative references

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

Changing, amusing, or secret pictures	<a href="#">B44F 1/10</a>
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Additional places which may be of interest for search are listed above for the subclass references.

### Synonyms and Keywords

*In patent documents, the following words/expressions are often used as synonyms:*

- "ciphering" and "encryption"
- "concealment", "masking", "obfuscation", "obscuring", "hidden". "deformation" and "altering"