

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	H04K 1/00
Cryptographic mechanisms or cryptographic arrangements for secret or secure communication	H04L 9/00

Informative references

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

Holographic processes	G03H
Security arrangements for protecting computers against unauthorised activity	G06F 21/00
Marking record carriers	G06K 1/00 - G06K 3/00
Recognizing patterns or reading or recognizing printed or written characters	G06K 9/00
General purpose image data processing	G06T 1/00
Individual entry or exit registers	G07C 9/00
Testing paper currency	G07D 7/00
Mechanisms actuated by objects other than coins to free or to actuate vending, hiring, coin or paper currency dispensing or refunding apparatus	G07F 7/00
Information storage based on relative movement between record carrier and transducer	G11B
Coding, decoding or code conversion, in general	H03M
Secrecy systems for scanning, transmission or reproduction of documents	H04N 1/44

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	B41J 3/00
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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	B44F 1/10
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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"