G09C

CIPHERING OR DECIPHERING APPARATUS FOR CRYPTOGRAPHIC OR OTHER PURPOSES INVOLVING THE NEED FOR SECRECY (secret transmission H04K; arrangements for secret telegraphic communication H04L9/00)

Definition statement

This subclass/group 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 relevant to classification in this subclass

This subclass/group does not cover:

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

Cryptographic mechanisms or cryptographic arrangements for secret or secure communication	H04L 9/00
Secret communication for (analogue) speech signals	H04K 1/00

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 carries	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 1/00

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 (cryptographic typewriters G09C3/00))

G09C 3/00

Typewriters for ciphering or deciphering cryptographic text (marking record carriers G06K)

Definition statement

This subclass/group covers:
Mechanical or electro-mechanical devices with keys whose operation realizes a transposal or replacement of signs or groups of signs

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

G09C 5/00

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

Definition statement

This subclass/group 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.

Informative references

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

Changing, amusing, or secret pictures	B44F 1/10

Additional places which may be of interest for search are listed above for the subclass references.

Synonyms and Keywords

In patent documents the words "ciphering" and "encryption" are often used as synonyms.

In patent documents the words "concealment", "masking", "obfuscation", "obscuring", "hidden". "deformation" and "altering" are often used as synonyms.