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(54) Title: METHODS FOR ENCODING, DECODING, TRANSFERRING, STORAGE AND CONTROL OF INFORMATION, SYSTEMS FOR CARRYING OUT THE METHODS

(57) Abstract: The invention relates to means for protecting information from an unauthorised access by electronic means. For encoding and transferring information the addressee is preliminarily provided with two types of keys to the received communications. The said keys consist in information on regularities corresponding to the values of the communication transmitted to the addressee and specific values of the initial information for the whole set of symbols of the said kind of information. As a result of primary transformation at least two primary transformed communications of different contents are formed. At the second stage at least part of the primary transformed communication is subjected to secondary transforming. An encoded communication that is formed as a result comprises two parts. The parts may be either intermixed or transferred to the recipient through different channels. Using a dedicated data communication processing and control centre it is possible to perform safe transfer of communication or parts thereof with additional conversion of the communications for the recipient. Thus the open keys may be formed and transmitted to the recipient without using any other means for keys delivery. Users may set individual keys using open communication channels. Disclosed are respective methods for decoding and systems for carrying out the said methods. The methods may be used in business communications and banking operations.



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