Title (en)
METHOD FOR CALCULATING A CRYPTOGRAPHIC KEY CONTROL DATUM

Title (de)
VERFAHREN ZUR BERECHNUNG EINER KONTROLLINFORMATION EINES KRYPTOGRAPHISCHEN SCHLÜSSELS

Title (fr)
PROCEDE DE CALCUL D'UNE DONNEE DE CONTROLE DE CLE CRYPTOGRAPHIQUE

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Application
EP 01927998 A 20010418

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Abstract (en)
[origin: WO0182525A1] The invention concerns a method for calculating a control datum of a secret key algorithm with N bits, including N-N/n random and encryption bits and N/n checksum bits. The invention is characterised in that it comprises the following steps: encrypting a specific message of K bits using N/n encryption bits of the key; constructing a control datum by selecting N/n bits among the K bits of the encrypted message; integrating one of the N/n bits of said control datum in all the n-1 encryption bits so as to constitute a complete secret key of N bits. The invention is particularly applicable to the data encryption standard (DES), the control datum being constructed from a constant message.

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