

Title (en)

METHOD OR EXTRACTING A SECRET FROM BIOMETRIC DATA

Title (de)

VERFAHREN ZUR EXTRAKTION EINES SEKRETS AUS BIOMETRISCHEN DATEN

Title (fr)

PROCEDE D'EXTRACTION D'UN SECRET A PARTIR DE DONNEES BIOMETRIQUES

Publication

EP 2104990 A2 20090930 (FR)

Application

EP 07871912 A 20071211

Priority

- FR 2007052482 W 20071211
- FR 0655967 A 20061227

Abstract (en)

[origin: FR2911021A1] The method involves encoding randomly chosen points of a polynomial of degree n into k code words of an error correction code, and dividing a stable and ordered representation of reference biometric data of a user into k parts, where k is equal to 16 and n is equal to 8. K pairs of values are calculated such that one pair comprises reference comparison between one of the code words and one of the parts of the representation, and an image of the code word by hash function. Independent claims are also included for the following: (1) a method of regenerating a secret from current biometric data of a user (2) a device for representing a secret from biometric data of a user (3) a device for regenerating a secret from current biometric data of a user (4) a device for capturing biometric data of a user (5) a computer program comprising code portions for executing a secret representation method (6) a data storage unit comprising a computer program for executing a secret representation method (7) a computer program comprising code portions for executing a secret regeneration method (8) a data storage unit comprising computer program code instructions for executing a secret regeneration method.

IPC 8 full level

H04L 9/32 (2006.01); **H04L 9/08** (2006.01)

CPC (source: EP)

H04L 9/3093 (2013.01); **H04L 9/3231** (2013.01); **H04L 9/3236** (2013.01); **H04L 2209/34** (2013.01)

Citation (search report)

See references of WO 2008081136A2

Citation (examination)

JOIN A K ET AL: "FingerCode: A Filterbank for Fingerprint Representation and Matching", PROCEEDINGS OF THE 1999 IEEE COMPUTER SOCIETY CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION, JUNE 23-25, 1999; FORT COLLINS, COLORADO, IEEE, THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC, US, vol. 2, 23 June 1999 (1999-06-23), pages 187 - 193, XP010347607, ISBN: 978-0-7695-0149-9

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