

Title (en)
SECURE BIOMETRIC IDENTIFICATION

Title (de)
SICHERE BIOMETRISCHE IDENTIFIKATION

Title (fr)
PROCEDE BIOMETRIQUE SUR D'IDENTIFICATION

Publication
EP 1305749 A4 20060419 (EN)

Application
EP 01929095 A 20010419

Priority
• AU 0100453 W 20010419
• AU PQ702900 A 20000420

Abstract (en)
[origin: WO0190962A1] A method and device/terminal are disclosed for the positive identification of an individual which finds particular use for the secure purchasing of goods or services over a visual medium such as television, the Internet and EFTPOS systems. The terminal is a point-of-sale terminal (6) which includes a keyboard (7), a screen (8), a fingerprint reader (9), a smart card reader assembly (10) and a printhead assembly incorporated within the card reader assembly (10). The operating software of the terminal (6) includes code to decrypt encrypted information read from the smart card (4). An individual wishing to undertake a secure financial transaction first obtains a smart card (4) which incorporates encrypted biometric data and financial data of that individual. At the point of intended purchase, the card (4) is placed in the reader assembly (10) of the terminal (6). The account details and encrypted biometric data are read by the terminal (6). The appropriate fingerprint of the individual is then taken at the fingerprint reader (9) of the terminal (6) from which the encryption key is determined. The encrypted fingerprint data read from the card (4) is then decrypted using the encryption key just determined and the thus-decoded fingerprint data from the card (4) is compared with the fingerprint data obtained at the terminal (6). If the thus-read fingerprint data is identical with that decoded from the card (4), identification is deemed positive and the financial transaction proceeds.

IPC 1-7
G06F 17/60; **G06F 12/14**; **G07F 19/00**

IPC 8 full level
G07C 9/00 (2006.01); **G07F 7/10** (2006.01)

CPC (source: EP)
G06Q 20/341 (2013.01); **G06Q 20/40145** (2013.01); **G07C 9/37** (2020.01); **G07F 7/1008** (2013.01)

Citation (search report)
• [X] WO 9811750 A2 19980319 - LI YANG [US], et al
• [A] WO 9924938 A1 19990520 - SWISSCOM AG [CH], et al
• See references of WO 0190962A1

Designated contracting state (EPC)
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WO 0190962 A1 20011129; AU PQ702900 A0 20000518; CN 1208737 C 20050629; CN 1441932 A 20030910; EP 1305749 A1 20030502; EP 1305749 A4 20060419; HK 1058979 A1 20040611; NZ 522686 A 20030725

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