

Title (en)
SECURE BIOMETRIC IDENTIFICATION

Title (de)
SICHERE BIOMETRISCHE IDENTIFIKATION

Title (fr)
PROCEDE BIOMETRIQUE SUR D'IDENTIFICATION

Publication
EP 1305749 A1 20030502 (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
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IPC 8 full level
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