Title (en)

SYSTEM AND METHOD FOR SECURE USER IDENTIFICATION WITH BLUETOOTH ENABLED TRANSCEIVER AND BIOMETRIC SENSOR IMPLEMENTED IN A HANDHELD COMPUTER

Title (de)

SYSTEM UND VERFAHREN ZUR SICHEREN ANWENDERIDENTIFIZIERUNG MIT EINEM MIT BLUETOOTH AUSGERÜSTETEN SENDER-EMPFÄNGER UND EINEM BIOMETRISCHEN SENSOR, DIE IN EINEM TRAGBAREN COMPUTER IMPLIMENTIERT SIND

Title (fr)

SYSTEME ET PROCEDE D'IDENTIFICATION SURE D'UTILISATEUR AU MOYEN D'UN EMETTEUR-RECEPTEUR ACTIVE PAR BLUETOOTH ET D'UN CAPTEUR BIOMETRIQUE IMPLANTES DANS UN ORDINATEUR DE POCHE

Publication

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Application

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Priority

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- US 53172000 A 20000321

Abstract (en)

[origin: WO0171462A2] A system and method for secure biometric identification. The inventive system includes a mobile unit and a server. The mobile unit is adapted to receive biometric input and provide a first signal in response thereto. In the illustrative implementation, the mobile unit is a Personal Digital Assistant (PDA) and the biometric input is provided by a fingerprint sensor mounted thereon. A first transceiver is mounted on the PDA for transmitting the first signal and receiving a second signal in response thereto. The PDA is adapted to encrypt the first signal and decrypt the second signal. A secure device is mounted at the PDA. The secure device has two modes of operation: a first locked mode by which access thereto is prohibited and a second unlocked mode by which access thereto is enabled on receipt of the second signal. In the illustrative implementation, the secure device is an encrypted database for which the second signal is a decryption key. The server unit includes a second transceiver for receiving the first signal transmitted via the wireless link. The first and second transceivers are adapted to operate in accordance with the Bluetooth specification. The server is equipped with a system for authenticating the biometric data and providing the second signal in response thereto. The second signal is then communicated to the mobile unit where it is utilized to access the secure device, e.g., encrypted database.

IPC 1-7

G07C 9/00; G06F 1/00

IPC 8 full level

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CPC (source: EP)

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