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Brooks

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(54) **METHOD AND SYSTEM FOR BIOMETRIC RECOGNITION BASED ON ELECTRIC AND/OR MAGNETIC CHARACTERISTICS**

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(51) Int. Cl.⁷ **G06K 9/00**

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(57) **ABSTRACT**

A method and apparatus for authenticating an individual living organism by recognizing a unique internal electric and/or magnetic and/or acoustic characteristic, which comprises a biometric signature, involve presenting a body part to a sensing device that senses the signature. The sensed presented biometric signature is compared to a known biometric signature to authenticate the individual. This authentication can then be used to authorize any of a wide variety of actions by the individual, such as accessing equipment or an area, or to perform actions, such as conducting financial transactions. A card having sensors is used to sense the biometric signature which is read by a card reader and sent to a local or remote reader for biometric signature comparison.

54 Claims, 140 Drawing Sheets

