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Biometric Identification Using Intra Body Communications

Tech ID: 34082 / UC Case 2018-502-0

BRIEF DESCRIPTION

An innovative system for biometric identification that utilizes intra-body communication for secure authentication.

FULL DESCRIPTION

This technology encompasses a biometric identification system comprising a biometric transmitter device and a biometric receiver device, utilizing at least one transmit and receive electrode for contact with an individual's skin at separate locations. The system transmits a signal through the individual's body, which is then received for biometric authentication, leveraging the unique channel response of the individual's body as a biometric marker.

SUGGESTED USES

- Wearable devices for personal identification and access control.
- >> Financial transactions at POS terminals and ATMs with enhanced security.
- >> Secure access to restricted areas or systems within corporate and government facilities.
- >> Healthcare for patient identification and access to medical records.

ADVANTAGES

- » Enhanced security through unique biometric authentication that is difficult to replicate or forge.
- >> Eliminates the need for traditional and less secure authentication methods like passwords.
- » Flexible implementation in various forms, including wearable devices and point of sale terminals.
- » Continuous authentication capability by comparing channel responses periodically.

PATENT STATUS

Country	Туре	Number	Dated	Case
United States Of America	Published Application	20220197987	06/23/2022	2018-502

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OTHER INFORMATION

CATEGORIZED AS

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