



TECHNOLOGY

Encryption Scheme Utilizing the Pattern of Biometric Scanners

OVERVIEW

As mobile devices are increasingly used to send sensitive information through a network, it has become imperative to provide those devices with effective but compact encryption schemes to secure the data. Biometric information has been used to secure the operation of the mobile devices themselves, but such systems do not prevent the interception of sensitive information transmitted between handheld mobile devices.

Researchers at the University of Maryland have created methods and apparatuses that improve the security of existing or newly manufactured biometric scanners and systems by authenticating the biometric scanner itself in addition to the submitted biometric information. Additionally, an encryption scheme is proposed that utilizes biometric scanners to also generate an encryption key to secure the transmitted information.

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PATENT STATUS

Pending

EXTERNAL RESOURCES

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