Patent Search

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Abstract:

A system (100) for enhancing safety of the transaction at an automated banking machine comprising an automated banking machine (102), an image capturing unit (to capture facial image of the user performing a financial transaction on the automated banking machine, a data storage unit (106) capable of storing the image capt image capturing unit (104), an extraction unit (108) configured to extract multi block (MB)- local binary patterns (LBP) of the captured image in R,G,B (Multi-color) char form of a MB-LBP code, a classifier unit (112) adapted to categorize the captured face into an uncovered face or covered face, a transaction safety unit (110) in comm with the classifier unit, the transaction safety unit configured to notify the user to uncover the face on being detected as covered face

Complete Specification

Description:FIELD OF THE INVENTION

The present invention relates to an automated banking machine which facilitates to withdraw or deposit cash into the linked bank accounts. Specifically, the presen invention relates to a system for enhancing safety of the transactions at the automated banking machine using images captured by a camera of the automated ban machine. Particularly, the invention enhances safety of the transactions at the automated banking machines using multi block (MB) - local binary patterns (LBP).

BACKGROUND OF THE INVENTION

An automated banking machine, also known as automatic teller machine, is an electronic telecommunications device that enables customers of financial institution perform financial transactions, such as cash withdrawals, deposits, funds transfers, balance inquiries or account information inquiries and similar banking related f at any time and without the need for direct interaction with bank staff.

Primarily, the automated banking machine provides an easy access of cash to its consumers as they are open at any time of the day, or some are even available 24 Such banking machines typically require a debit card associated with a consumer's account and a secret personal identification (PIN) codes associated with the resp debit card/ credit card. However, the advancement of the technology has empowered miscreants, as miscreants may be able to obtain such PIN codes through vari devices, such as blocking devices, skimming devices, fake PIN pads and the like. Further, PIN codes may be obtained via phishing scams. In view of insufficient secur measures surrounding the automated banking machine technology, hefty amount may be withdrawn from the consumer's bank account without consent of the cardholder.

The existing devices uses camera with automated banking machine that captures the images of the user which uses the banking machine that helps in enhancing t

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