

Patent No.
US 9,159,321 B2

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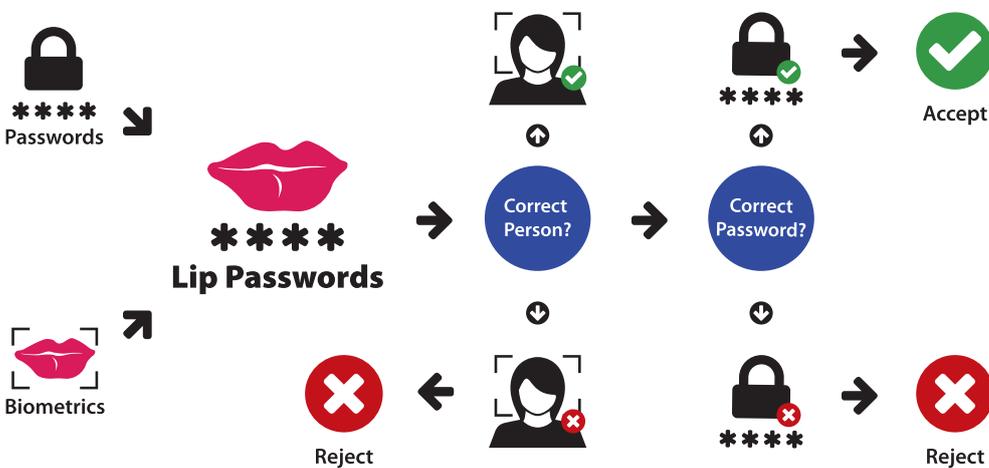
Lip Password: Double Security System for Identity Authentication



❖ INTRODUCTION

The use of biometric data like fingerprints to unlock mobile devices and verify identity at immigration and customs counters are used in many different regions/ countries. Although its wide application, one cannot change the scan of their fingerprint. Once the scan was stolen or hacked, the owner could not change his/her fingerprints and had to look for another identity security system.

This invention introduces a new technique, which utilises a person's lip motions to create a password (i.e. lip motion password). This system verifies a person's identity by simultaneously matching the password content with the underlying behavioural characteristics of lip movement. Nobody can mimic a user's lip movement when uttering the password which can be changed at any time.



❖ KEY FEATURES

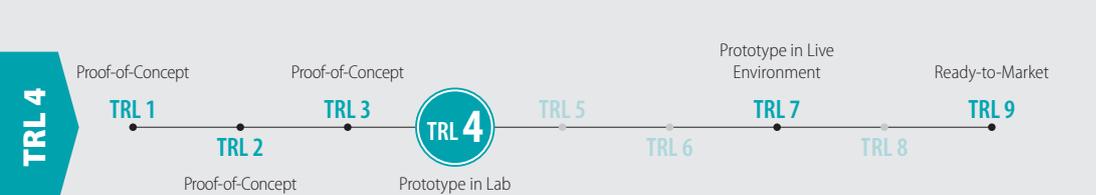
- Double-security for access control
- No language boundary
- Resistant to mimicry

❖ APPLICATION

The present invention can be used in financial transaction authentication or used together with other biometrics to enhance the security level of systems.



In reference to: IPI Singapore — Simplified



Source: https://www.ipi-singapore.org/tech-offer/help/field_tech_readiness_level

Contact Details

