USAGE BASED AUTHENTICATION SYSTEM

ABSTRACT

A mechanism for providing additional layer of security to the already existing and authentication mechanism available on a mobile device is provided. According to an embodiment, the system comprises a usage authentication interface (114) that displays one or more mobile software applications for usage based authentication, wherein the usage based authentication interface allows the user to select one or more software applications for usage based authentication. The usage pattern computing module (116) calculates plurality of usage statistics for one or more selected mobile software applications by user wherein usage statistic comprises a set of calculated value. The usage bracket matrix stores one or more usage patterns which comprise plurality of calculated values generated by the usage pattern computing module (116). An authentication application module (118) authenticates user to log on to the mobile device based on successful matching of patterns stored in usage bracket matrix with user-fed usage pattern.

<To be published with Fig 2>