

ABSTRACT

**A COMPUTER-IMPLEMENTED METHOD FOR ACCESS CONTROL
IDENTIFICATION AND ITS SYSTEM THEREOF**

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The present invention discloses a computer-implemented method for access control, the method comprising the steps of: selecting, by a selection module of a mobile device, an identifier prestored in a memory device of the mobile device (501); retrieving, by a scanning module of the mobile device, a biometric data from a user
10 (502); determining, by a matching module of the mobile device, a match between the retrieved biometric data and a biometric data of an authorized user that is prestored in a memory device of the mobile device (503); securing, by an integrity module of the mobile device, the selected identifier (504); encrypting, by an encryption module of the mobile device, the secured identifier using an encryption key and mobile device's
15 time stamp information (505); converting, by a conversion module of the mobile device, the encrypted identifier into a displayable access code carrying a time stamp to indicate its expiry time (506); generating, by the conversion module of the mobile device re-encrypting the selected identifier using the existing encryption key and an updated time stamp to generate a new access code to replace the expired access code
20 (507); displaying, by a display of the mobile device, the updated access code to an access point (508); and scanning, by the access point, the updated access code to provide access to the user upon validation of the updated access code (509); wherein the access point is in communication with a computing device which connects to a same server with the mobile device, such that the access point synchronises its clock
25 with the mobile device through communication with the computing device at a predetermined time.

(Fig. 5)