

(54) Title of the invention : SYSTEM FOR IDENTIFYING AND AUTHENTICATING USERS BASED ON KEY STROKE SOUND FEATURES AND METHOD THEREOF

(51) International classification :G06F0021310000, A61B0005000000, G06F0021830000, G06F0003023000, H04L0009320000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

The present invention relates to the field of user identification. The present invention is directed towards a system for identifying and authenticating users based on key stroke sound features. The system (100) includes a data collection module (102), a feature extraction module (104), a database (106), a processor (108), an authentication interface (110) and a cloud server (112) to access data in real time. The temporal and spectral characteristics of the keystroke sound are analysed by the feature extraction module (104). The analysed keystroke sound features are processed for user identification and authentication. Further the present invention relates to a method for identifying and authenticating users based on key stroke sound features. Advantageously the present invention relates to a robust and secure means of user identification by analyzing the unique sound patterns produced while typing using keystrokes sound dynamics.

No. of Pages : 36 No. of Claims : 10