USER IDENTITY AUTHENTICATION USING VIRTUAL REALITY

ABSTRACT

A method for user identity authentication using virtual reality includes presenting one or more virtual elements on a virtual reality (VR) scenario of a VR application for initiating a service, identifying, using one or more sensors communicably coupled to the VR device, one or more interactive operations of a user of the VR device with the one or more virtual elements, determining whether the one or more interactive operations match one or more predetermined operations for selecting the one or more virtual elements to initiate the service and trigger biometric authentication for user identity authentication, invoking biometric authentication if the one or more interactive operations match one or more predetermined operations, presenting a virtual guidance in the VR scenario for guiding the user to perform the biometric authentication, and presenting a service interface to the user if the biometric authentication is successful.

FIG. 1