PERSONAL IDENTIFICATION DEVICE AND METHOD

ABSTRACT OF THE DISCLOSURE

A personal identification device and method prevent the reduction in the finger vein recognition rate which otherwise occur due to erroneous insertion of a finger by a user not accustomed to operation or insertion of a false finger at low cost. The device includes an imager picking up an image of a finger vein pattern, a light source emitting light adapted to be transmitted through the finger, an image operating unit matches the image, guides indicating the position of picking up the finger image, a detector detecting the contact between the finger and the guides, another light source radiating light reflected from the thick of the finger, a switch which is depressed by the forward end of the finger, a further light source emitting light transmitted through the forward end of the finger, and a light-sensor receiving the light from the further light source through the finger.

Fig. 2