

IDENTITY AUTHENTICATION SYSTEM, METHOD, APPARATUS, AND DEVICE, AND COMPUTER-READABLE STORAGE MEDIUM

ABSTRACT

Embodiments of this application disclose an identity authentication system, method,
5 apparatus, and device, and a computer-readable storage medium, and belong to the field of security
technologies. In an embodiment of this application, a symmetric key based identity verification
method is implemented by sharing the first symmetric key between the terminal device and the
authorization device. In this way, when confidentiality of the symmetric key is ensured,
authentication code generated based on the symmetric key in an entire identity authentication
10 process is not easily forged, so that security and reliability of identity authentication can be ensured.
In addition, in this solution, bidirectional identity authentication of the terminal device and a
registration device is implemented by using the authorization device, to avoid a security issue of
unidirectional identity authentication. That is, security of this solution is higher.

Fig. 4