

METHOD, APPARATUS, AND SYSTEM FOR PROCESSING TWO-DIMENSIONAL BARCODES

ABSTRACT

The present invention discloses a method, an apparatus, and a system for
5 processing two-dimensional barcodes, relates to the field of information processing
technologies, and is mainly intended to alleviate an existing-technology problem that
an electronic credential is generated based on a static random code, and once the
electronic credential is copied or stolen through photographing, security of the
electronic credential cannot be ensured. The technical solutions of the present
10 invention include the following: receiving, by a server, an electronic credential
acquisition request sent by client software, where the electronic credential acquisition
request includes a user identifier; obtaining an electronic credential that corresponds
to the user identifier, and signing the electronic credential and a user public key of the
client software by using a server private key to obtain server signature information;
15 and sending the server signature information and the electronic credential to the client
software, so that the client software verifies the server signature information, and
generates a two-dimensional barcode based on the electronic credential so that a
credential verification end device verifies the electronic credential included in the
two-dimensional barcode, where the credential verification end device is configured
20 to generate the electronic credential based on the user identifier.

FIG. 2