CLOUD DOOR LOCK CONTROL SYSTEM WITH IDENTIFICATION OF TIME VARIED 2D CODES AND IMAGES

ABSTRACT

A cloud door lock control system identifies time varied 2D codes and images. A cloud device transmits the encryption codes of doors to be opened, the time periods for opening the doors, and the user's encryption codes to the mobile phone. The mobile phone stores these values in a memory. A mobile phone APP receives these values and encrypts them by using a specific encrypting code. The encoding way for the encoding unit is time varied. When the cloud device receives the QR code from a card reader, it is decoded and is compared with those stored in the cloud device to determine whether the door is necessary to be opened. The cloud device stores mobile phone holder's images which is transferred to the APP. The mobile phone holder's image is displayable on the mobile phone for determining whether the mobile phone holder is acceptable to pass through the door.

(Fig. 1)