

[ABSTRACT]

Provided are a method and system for authenticating gate access, the method and system including: transmitting, by a gate device, a beacon to a user terminal that has entered an area; capturing, by the gate device, a face image of a user of the user terminal, comparing the face image with a plurality of face images stored in advance to perform first authentication, and transmitting a result of the first authentication to an authentication server; requesting, by the authentication server, information for secondary authentication from the user terminal when the authentication server determines that the user is a pre-registered user according to the result of the first authentication; capturing, by the user terminal, an image of a gesture input by the user as an image according to the request of the authentication server; upon receiving the image, comparing, by the authentication server, the received image with a gesture image of the user registered in advance to perform secondary authentication; inquiring, by the authentication server, about access restriction information of the user to perform tertiary authentication and transmitting a result of the tertiary authentication to the user terminal; checking, by the user terminal, a location of a specific gate for which access authorization is given among a plurality of gates according to the result of the tertiary authentication; and transmitting, by the user terminal, a control signal to a gate device provided in the specific gate.

Figure 1