DESCRIPTION

Title of Invention

AUTHENTICATION DEVICE, AUTHENTICATION METHOD, AUTHENTICATION SYSTEM, AND PROGRAM

Technical Field

[0001] The present disclosure relates to an authentication apparatus, an authentication method, an authentication system, and a program.

Background Art

[0002] There is known a technique of using face authentication to manage entry and exit of a person passing through a gate apparatus installed at a train station, an airport, or the like. For example, Patent Literature (hereinafter referred to as "PTL") 1 discloses a gate apparatus capable of performing face authentication of a person who comes into the gate apparatus (hereinafter, such a person may be referred to as "incoming person") based on a facial feature value registered in association with an identifier transmitted by a wireless tag possessed by the incoming person.

Citation List

Patent Literature

[0003]

PTL 1

Japanese Patent No. 6816821

Summary

[0003a] In one aspect, the present disclosure refers to an authentication apparatus,

comprising, a processor that performs processing of associating, in a case where a portable terminal of an incoming person who comes into a gate apparatus is present near the gate apparatus, registration information with one registered face image of a plurality of registered face images, the registration information being information of the incoming person who comes into the gate apparatus and being registered in the portable terminal, and an authenticator that prioritizes, in authentication processing of authenticating the incoming person based on collation results between face image information of the incoming person and the plurality of registered face images, a collation result between the registered face image associated with the registration information and the face image information of the incoming person over a collation result between a registered face image not associated with the registration information and the face image information of the incoming person.

[0003b] In another aspect, the present disclosure refers to an authentication method, comprising, performing processing of associating, in a case where a portable terminal of an incoming person who comes into a gate apparatus is present near the gate apparatus, registration information with one registered face image of a plurality of registered face images, the registration information being information of the incoming person who comes into the gate apparatus and being registered in the portable terminal, and prioritizing, in authentication processing of authenticating the incoming person based on collation results between face image information of the incoming person and the plurality of registered face images, a collation result between the registered face image associated with the registration information and the face image information of the incoming person over a collation result between a registered face image not associated with the registration information and the face image information of the incoming person.

[0003c] In yet another aspect, the present disclosure refers to an authentication system, comprising, a gate apparatus that allows an incoming person to come into the gate apparatus, an image-capturing apparatus that is provided corresponding to the gate apparatus and

captures face image information of the incoming person, a beacon apparatus that is provided corresponding to the gate apparatus and transmits beacon information to a portable terminal possessed by the incoming person, and an authentication apparatus that associates registration information with one registered face image of a plurality of registered face images in response to reception of the beacon information by the portable terminal, the registration information being information of the incoming person who comes into the gate apparatus and being registered in the portable terminal, the authentication apparatus prioritizing, in authentication processing of authenticating the incoming person based on collation results between the face image information and the plurality of registered face images, a collation result between the registered face image associated with the registration information and the face image information of the incoming person over a collation result between a registered face image not associated with the registration information and the face image information of the incoming person.

[0003d] In yet another aspect, the present disclosure refers to a program to be executed by a computer of a portable terminal to control the portable terminal, the portable terminal being used together with an authentication apparatus, the authentication apparatus performing actions comprising, performing processing of associating registration information with one registered face image of a plurality of registered face images, the registration information being transmitted from the portable terminal and indicating a user of the portable terminal, and prioritizing, in authentication processing of authenticating an incoming person who comes into a gate apparatus based on collation results between face image information of the incoming person and the plurality of registered face images, a collation result between the registered face image associated with the registration information and the face image information of the incoming person over a collation result between a registered face image not associated with the registration information and the face image information of the incoming person, and the program causing, in a case where beacon information is received,

the computer of the portable terminal to execute processing of controlling such that the beacon information and the registration information are transmitted.

Technical Problem