

MASTER FACE IMAGE REGISTRATION APPARATUS, REGISTRATION METHOD,
PROGRAM, AND RECORDING MEDIUM

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ABSTRACT

It is an object of the present invention to provide a new system for suppressing false authentication. A master face image registration apparatus of the present invention includes: an image information acquisition unit that acquires a candidate face image and attribute information of an imaging attribute item related to imaging of the candidate face image in association with each other as candidate information of a master face image; a false authentication information extraction unit that extracts attribute information on the same imaging attribute item as the candidate face image from a database that stores attribute information that is significantly participate in false authentication among attribute information of imaging attribute items of master face images resulting in false authentication; a similarity determination unit that determines whether or not the extracted attribute information is similar to the attribute information of the master face image; a score calculation unit that assigns a weight indicating a degree of participation in an occurrence of false authentication set for each imaging attribute item and calculates a total score by summing the weight for each imaging attribute when it is determined to be similar; an aptitude determination unit that determines that the candidate face image is inappropriate as a master face image when the total score satisfies a predetermined threshold value; and an output unit that outputs a determination result indicating that the candidate face image is inappropriate when it is determined to be inappropriate.

25 [FIG. 1]