Means for Solving Problem

[0005] According to a first aspect of the present invention, there is provided an elevator registration method performed by an elevator system that comprises: a registration device disposed at a security gate of a building in which an elevator is installed; and a control device that assigns the elevator to a user and that moves an elevator car of the assigned elevator to a landing on a floor on which the user is waiting, the elevator registration method comprising: receiving, by the registration device, an input of destination information relating to a destination of the user within the building; transmitting, by the registration device, the input destination information to the control device; receiving, by the control device, the destination information; assigning, by the control device, the elevator to the user based on the destination information such that a path from the security gate to the destination is optimized for the user; transmitting, by the control device, identification information of the assigned elevator to the registration device; receiving, by the registration device, from the control device the identification information of the elevator assigned based on the destination information; and displaying, by the registration device, on a display the identification information of the assigned elevator.

[0005a] According to a second aspect of the present invention, there is provided an elevator system comprising: a registration device disposed at a security gate of a building in which an elevator is installed; and a control device that assigns the elevator to a user and that moves an elevator car of the assigned elevator to a landing on a floor on which the user is waiting, the registration device including: an input unit that receives an input of destination information relating to a destination of the user within the building; a first communication unit that transmits the input destination information to the control device and receives, from the control device, identification information of the elevator assigned based on the destination information; and a display that displays

the identification information of the assigned elevator, the control device including: a controller that assigns the elevator to the user based on the destination information such that a path from the security gate to the destination is optimized for the user; and a second communication unit that transmits the identification information of the assigned elevator to the registration device.

BRIEF DESCRIPTION OF DRAWINGS

[0006] FIG. 1 is a block diagram illustrating an exemplary schematic configuration of an elevator system according to a first embodiment.

FIG. 2 is a schematic diagram illustrating an exemplary floor map of the first floor of a building according to the first embodiment.

FIG. 3 is a schematic diagram illustrating an exemplary appearance of a destination registration device and a security gate according to the first embodiment.

FIG. 4 is a block diagram illustrating an exemplary functional configuration of the destination registration device according to the first embodiment.

FIG. 5 is a diagram illustrating exemplary visitor information in the first embodiment.

FIG. 6 is a diagram illustrating exemplary data registered in a two-dimensional code in the first embodiment.

FIG. 7 is a diagram illustrating exemplary position data according to the first embodiment.

FIG. 8 is a diagram illustrating an exemplary floor map of the fifth floor in the first embodiment.

FIG. 9 is a flowchart illustrating exemplary steps of an elevator registration process according to the first embodiment.

FIG. 10 is a diagram illustrating an exemplary floor of a destination floor in a modification of the first embodiment.

FIG. 11 is a flowchart illustrating exemplary steps of an elevator registration process according to a second