system is switched to a backup operation (emergency operation), and it is continued with a specified car only. In this case, in the full DCS, a specified car is caused to stop at all the floors one by one, since a user is unable to specify a designation floor in a car. However, such an operation greatly reduces transport efficiency, and inconveniences users.

SUMMARY

According to one aspect, there is provided an elevator system comprising:

a hall destination controller installed in a hall;

a first controller which selects one of a plurality of cars as a designated car and causes the designated car to move to a registration floor, under a DCS control which considers a destination floor registered by a user using the hall destination controller; and

second controllers which control operations of the cars in accordance with an instruction given by the first controller,

wherein if a failure has occurred in the DCS control by the first controller, one of the second controllers which is set as a master in advance converts a first call signal of a DCS control system which is output from the hall destination controller into a second call signal to be used in a group management control system, and continues an operation.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a block diagram showing the configuration of an elevator system according to an embodiment.

FIG. 2 is a block diagram showing the functional configuration of an elevator controller in the embodiment.

FIG. 3 is a flowchart showing the operation of the elevator system according to the embodiment.

FIG. 4 is a view showing a concrete example to

explain an operation of the elevator system according to the embodiment in the case where a failure is caused in the elevator system.

FIG. 5 is a view showing an example of an indication of a designated car which is given in a hall destination controller in the embodiment.

FIG. 6 is a view showing an example of an indication of a destination floor which is given in one of indicators for elevators in the embodiment.

DETAILED DESCRIPTION

Embodiments will be described with reference to the accompanying drawings.

In general, according to one embodiment, an elevator system includes: a hall destination controller installed in a hall; a first controller which selects one of a plurality of cars as a designated car and causes the designated car to move to a registration floor, under a DCS control which considers a destination floor registered by a user with the hall destination controller; and a plurality of second