

ABSTRACT

GROUP MANAGEMENT CONTROL SYSTEM FOR ELEVATORS, METHOD
FOR CONTROLLING ORDER OF GUIDES FOR DESTINATION CALLS, AND
5 COMPUTER-READABLE STORAGE MEDIUM

According to one embodiment, a group management
control system (100) for elevators, which manages operation
of a plurality of cars, in reply to a destination call
10 specifying a departure floor and a destination floor
associated with each user, is provided with an allocation
processing unit (101), a guide control unit (103), an in-
suspension call storage unit (106) and a call exchange unit
(105). An allocation processing unit (101) allocates an
15 assigned car and an allocated round for the destination
call, the assigned car for the user to board and the
allocated round at which the user boards the assigned car.
A guide control unit (103) makes judgment of whether giving
an assigned car guide is permissible for the destination
20 call when the allocation processing unit (101) allocates
the assigned car and the allocated round. An in-suspension
call storage unit (106) stores information associated with
a new destination call, which includes the departure floor
and the destination floor along with the assigned car and
25 the allocated round, to keep the new destination call in
suspension, when giving an assigned car guide is not
permissible for the new destination call. A call exchange

unit (105) performs an exchange between the assigned car
and the allocated round for the new destination call and
the assigned car and the allocated round for another
destination call, the information associated with the
5 another destination call kept in a longest time suspension
in the in-suspension call storage unit (106) and including
the departure floor and the destination floor same as the
departure floor and the destination floor included in the
information associated with the new destination call, when
10 giving an assigned car guide is permissible for the new
destination call.

Figure 1