another task. Therefore, in the case of using RTS, it is necessary to take an efficient processing procedure.

SUMMARY

According to one aspect, there is provided ~~An~~ an elevator-group management system which is provided with a group management controller and a plurality of car controllers, and controls a plurality of cars with the car controllers under a control of the group management controller, the group management controller comprising: assignment request issuing means for issuing an assignment request to the car controllers when a new hall call is made, assigning an assignment request call and virtual calls to each of the car controllers when the assignment request is issued, the assignment request call corresponding to the new hall call, the virtual calls being assumed to be made and causing the car controllers to execute respective parts of assignment evaluation processing for assigning the new hall call to any of the cars; evaluation result acquiring means for acquiring evaluation results obtained by the car controllers in accordance with the assignment request; and assignment evaluating means for ~~making a comprehensive evaluation of~~combining the evaluation results acquired from the car controllers by the evaluation result acquiring means ~~the evaluation results~~, limiting the virtual assignment patterns to likely ones by node development processing, and evaluating the likely virtual assignment patterns to finally determine to which of the cars the new hall call is to be assigned, wherein the car controllers each comprises: assignment request receiving means for receiving the assignment request along with the assignment request call and the virtual calls; virtual assignment pattern making means for making a plurality of virtual assignment

WHAT IS CLAIMED IS:

1. An elevator-group management system which is provided with a group management controller and a plurality of car controllers, and controls a plurality of cars with the car controllers under a control of the group management controller, the group management controller comprising:

assignment request issuing means for issuing an assignment request to the car controllers when a new hall call is made assigning an assignment request call and virtual calls to each of the car controllers when the assignment request is issued, the assignment request call corresponding to the new hall call, the virtual calls being assumed to be made, and causing the car controllers to execute respective parts of assignment evaluation processing for assigning the new hall call to any of the cars;

evaluation result acquiring means for acquiring evaluation results obtained by the car controllers in accordance with the assignment request; and

assignment evaluating means for ~~making a comprehensive evaluation of~~combining the evaluation results acquired from the car controllers by the evaluation result acquiring means ~~the evaluation results~~, limiting the virtual assignment patterns to likely ones by node development processing, and evaluating the likely virtual assignment patterns to finally determine to which of the cars the new hall call is to be assigned, wherein the car controllers each comprises:

assignment request receiving means for receiving the assignment request along with the assignment request call and the virtual calls;

virtual assignment pattern making means for making a plurality of virtual assignment patterns for an associated one of the cars based on the assignment

request call and the virtual calls received by the assignment request receiving means;

operation prediction evaluating means for evaluating operation predictions of the virtual assignment patterns made by the virtual assignment pattern making means to obtain evaluation values of the virtual assignment patterns; and

evaluation result transmitting means for transmitting as evaluation results of the associated car, the evaluation values of the virtual assignment patterns obtained by the operation prediction evaluating means to the group management controller.