

FIG. 1

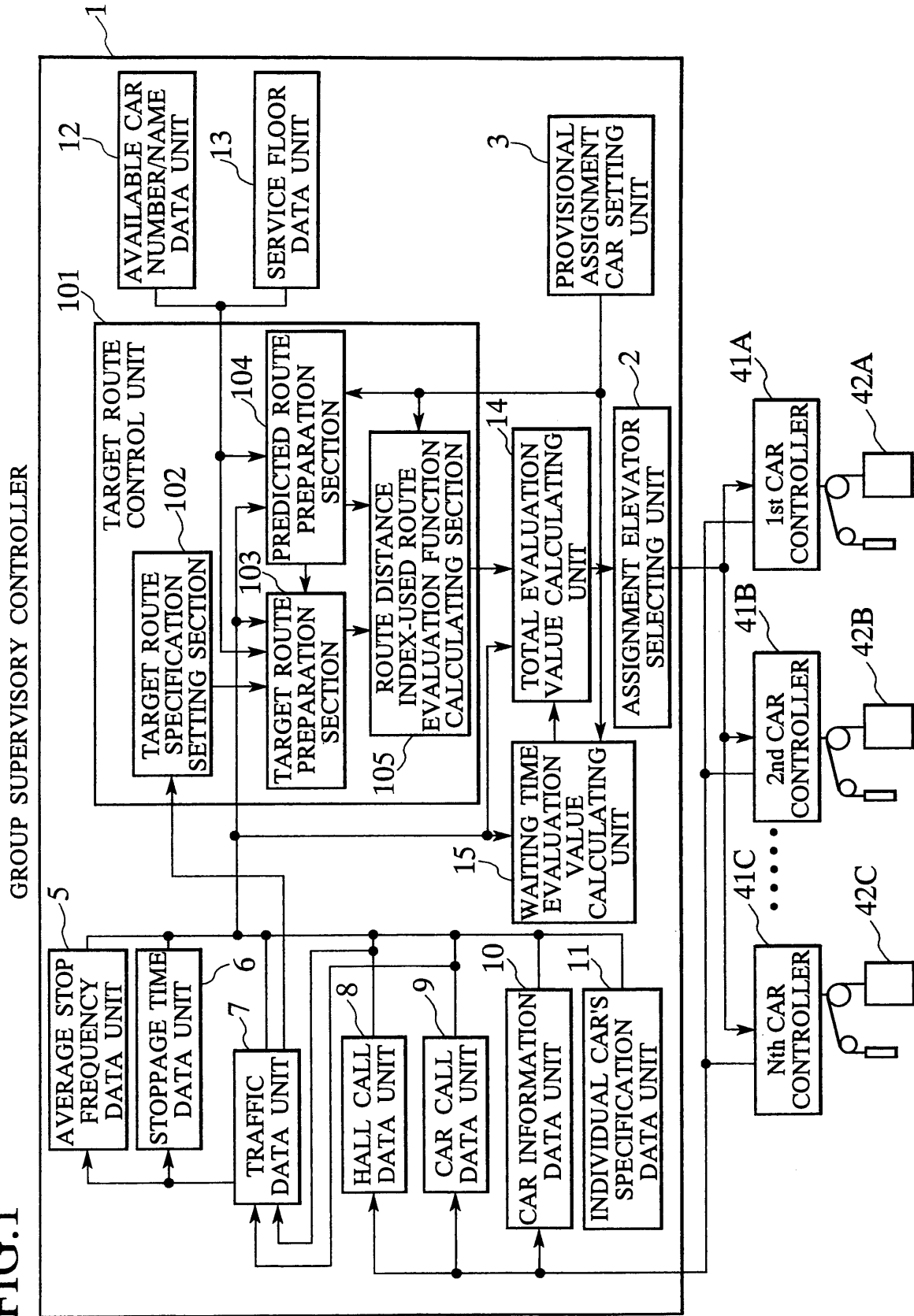


FIG.2

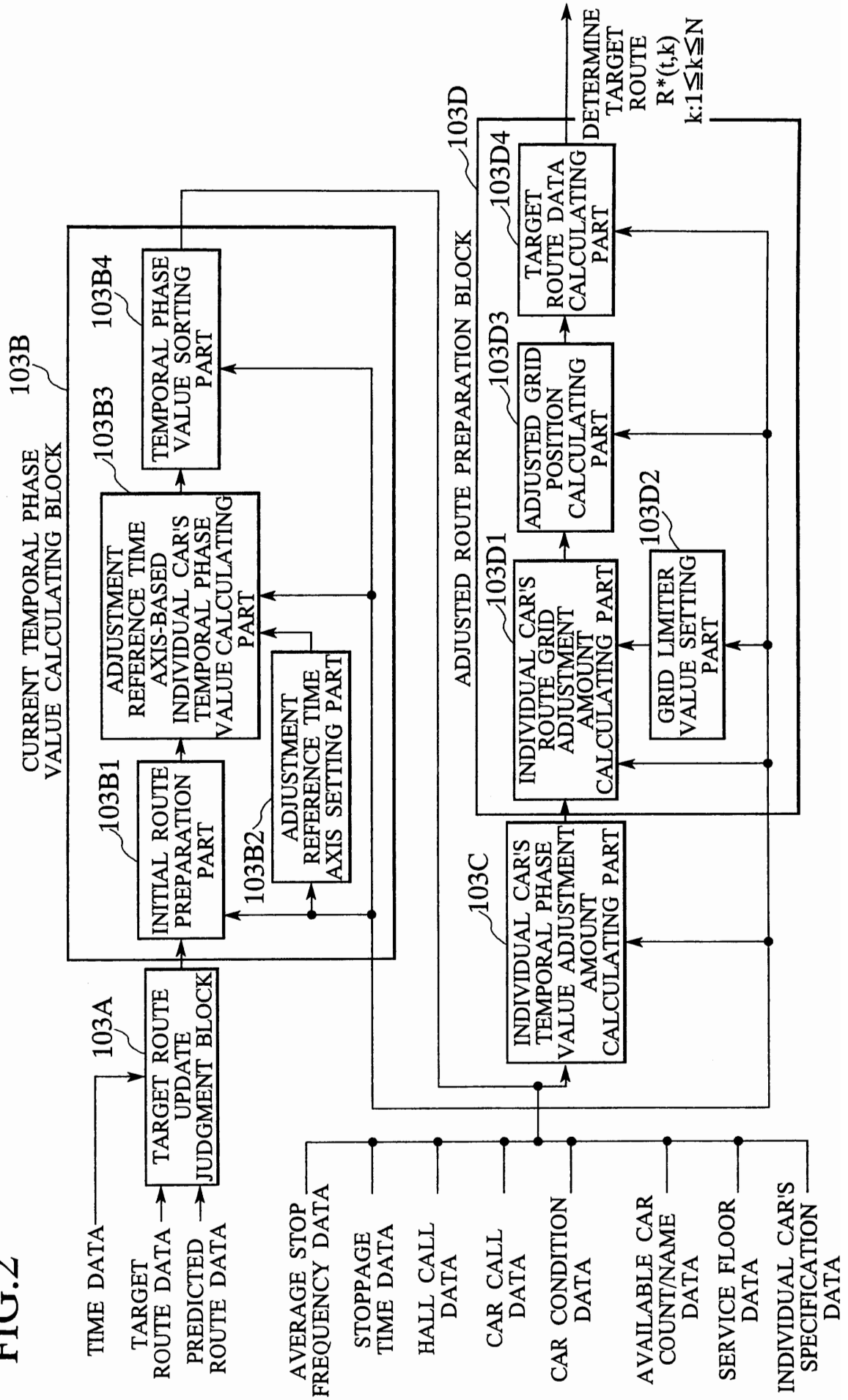


FIG.4

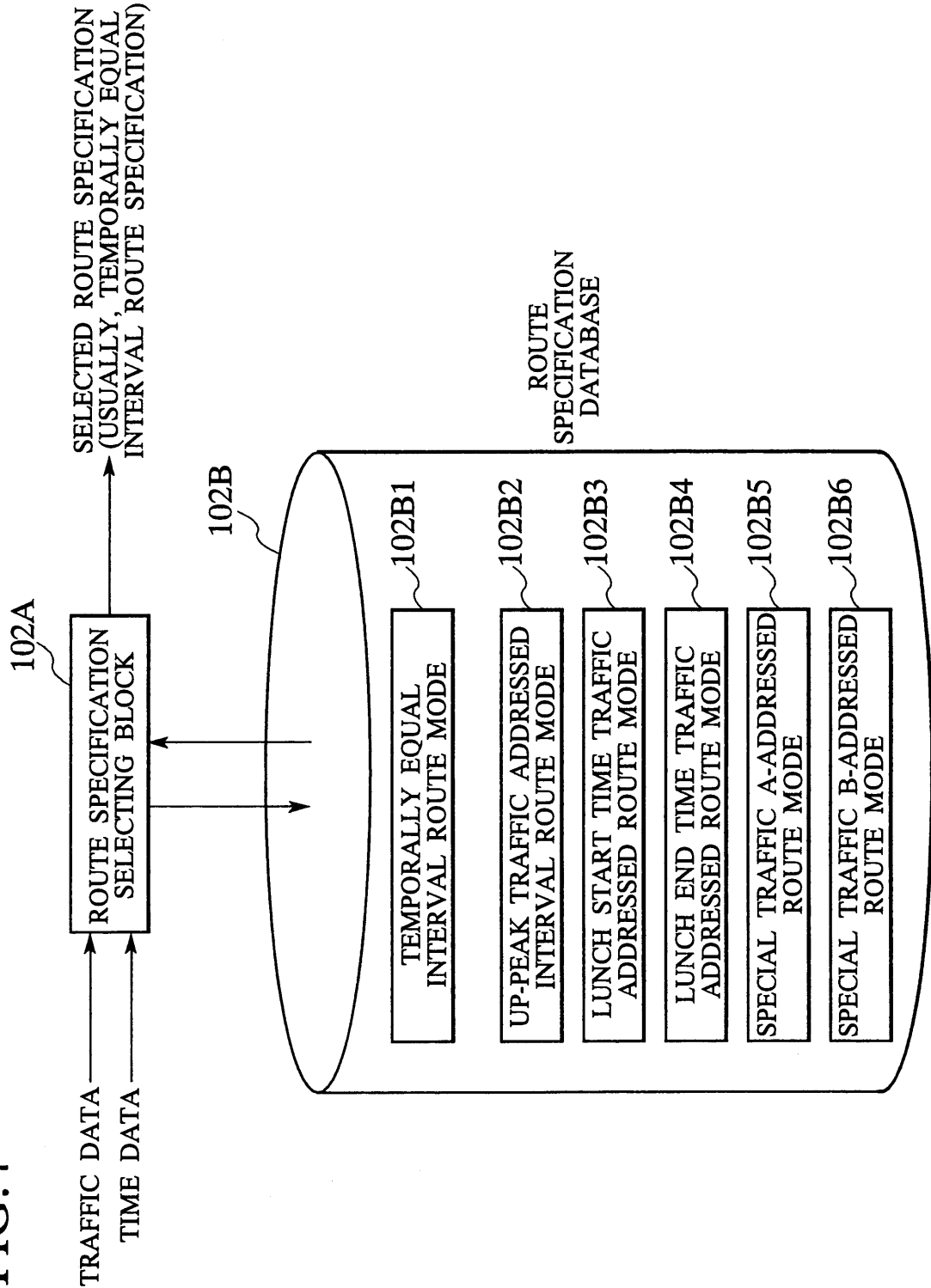


FIG.5

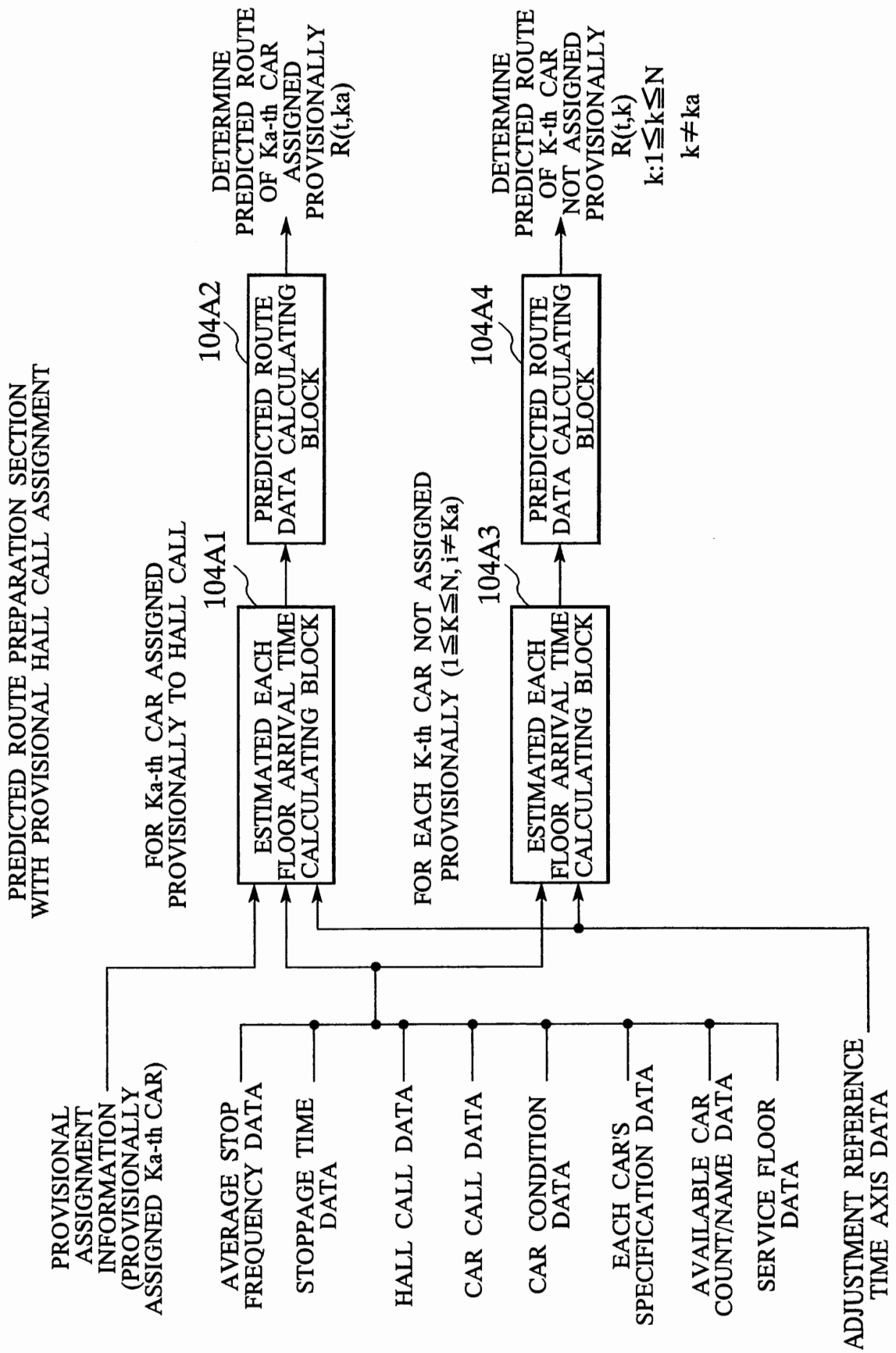


FIG. 6

PREDICTED ROUTE PREPARATION
SECTION DURING REGULAR PROCESSING
(FOR TARGET ROUTE UPDATE CHECK)

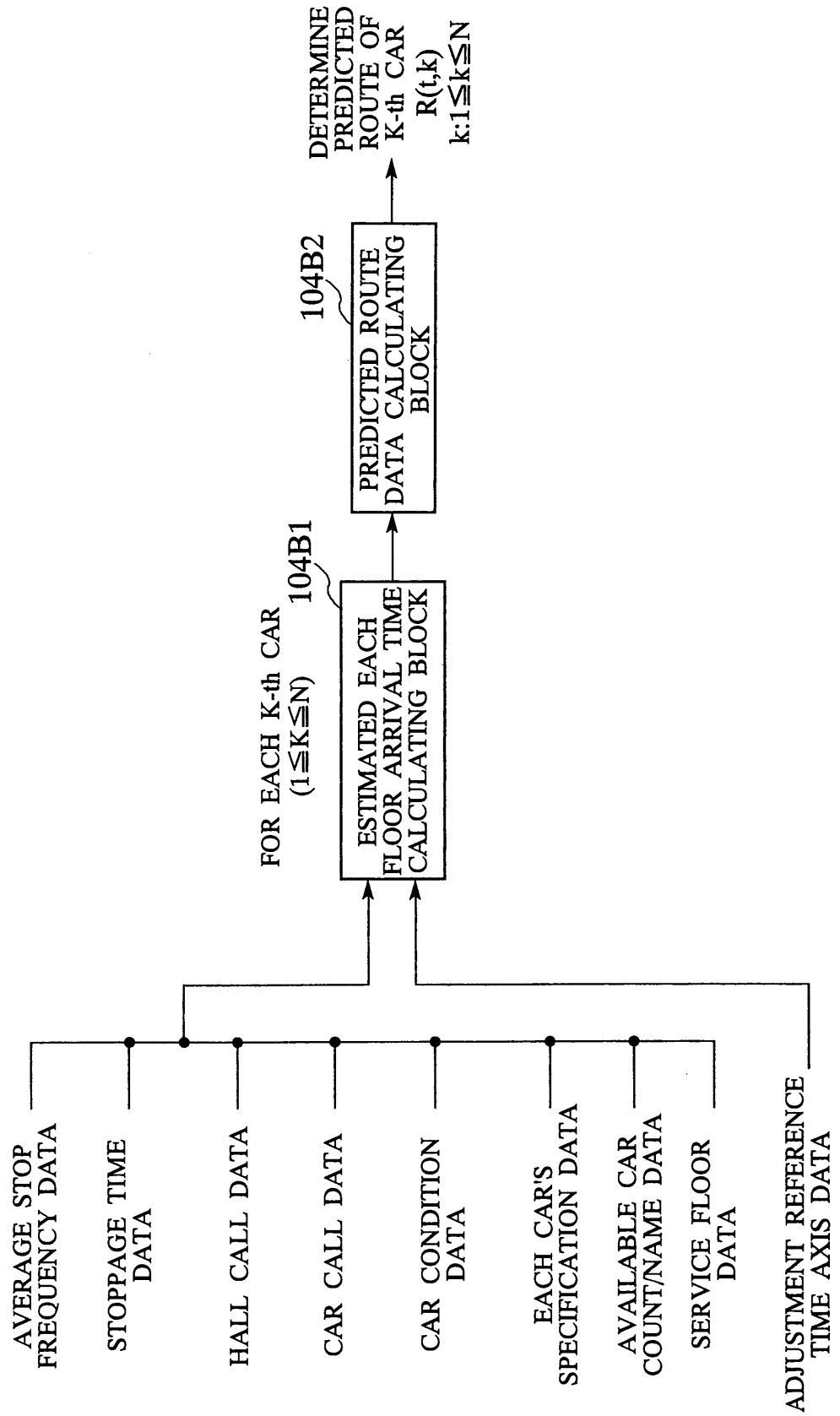


FIG. 7

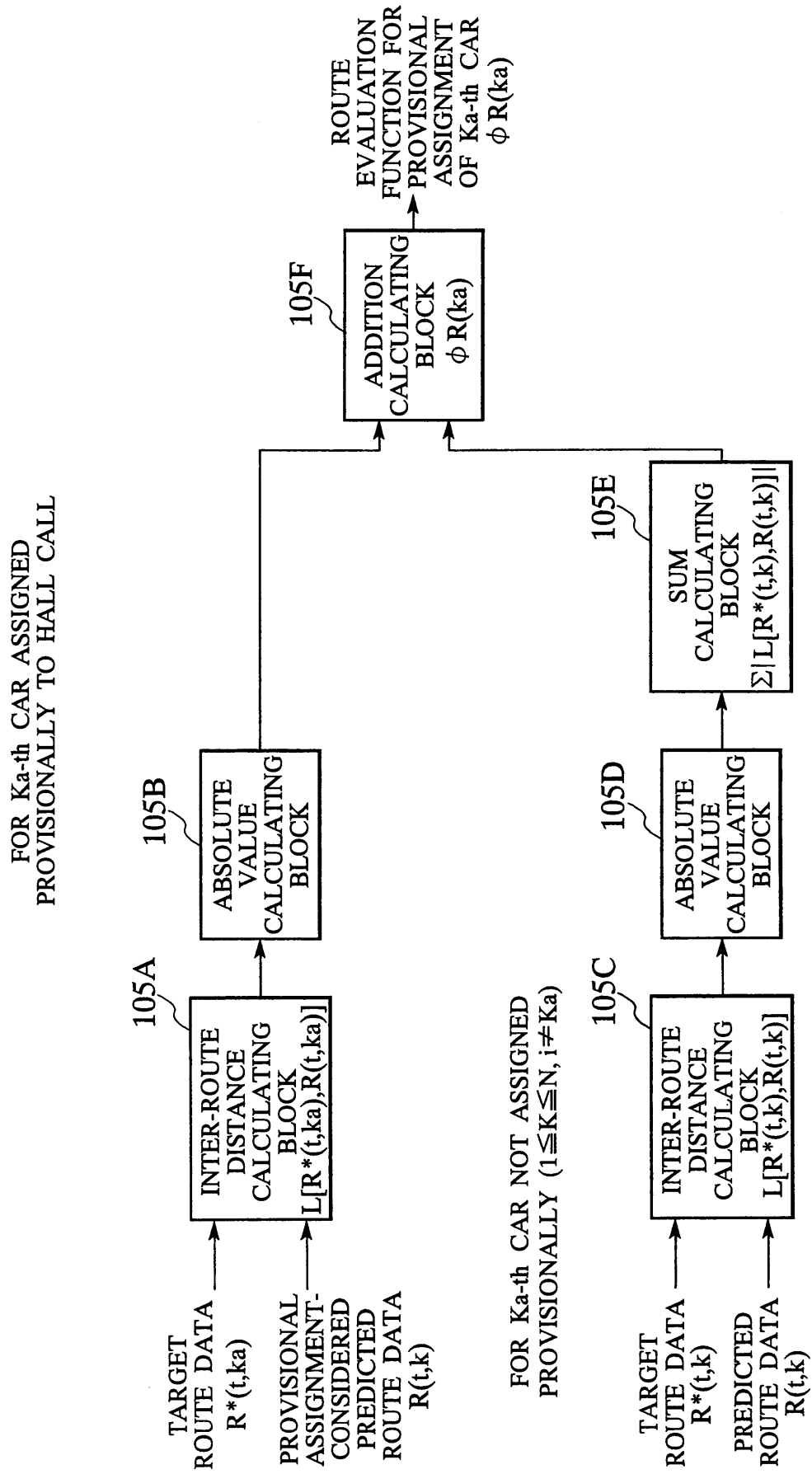


FIG.8

BASIC CONCEPT 1 OF TARGET
ROUTE-BASED CONTROL

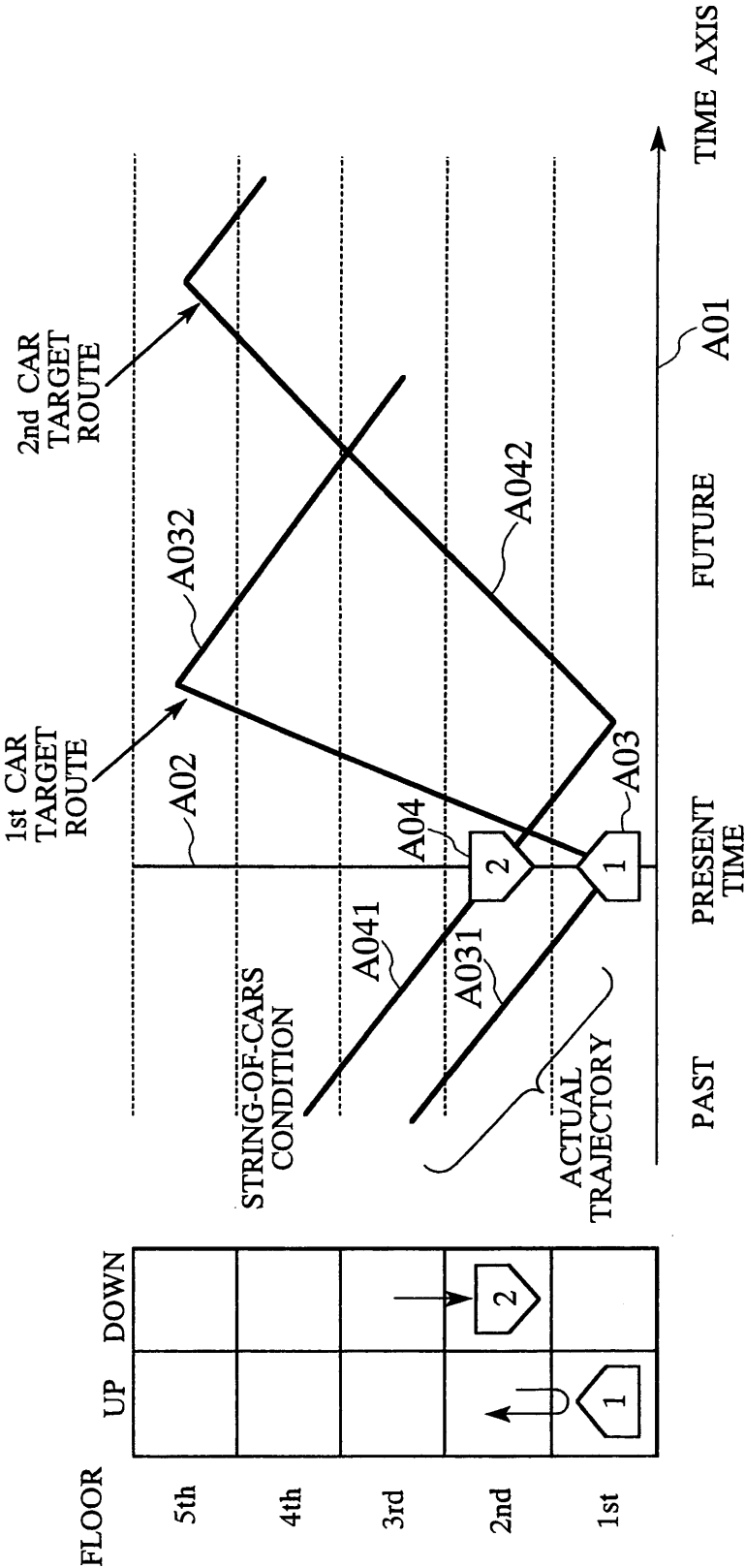


FIG.9

BASIC CONCEPT 2 OF TARGET
ROUTE-BASED CONTROL

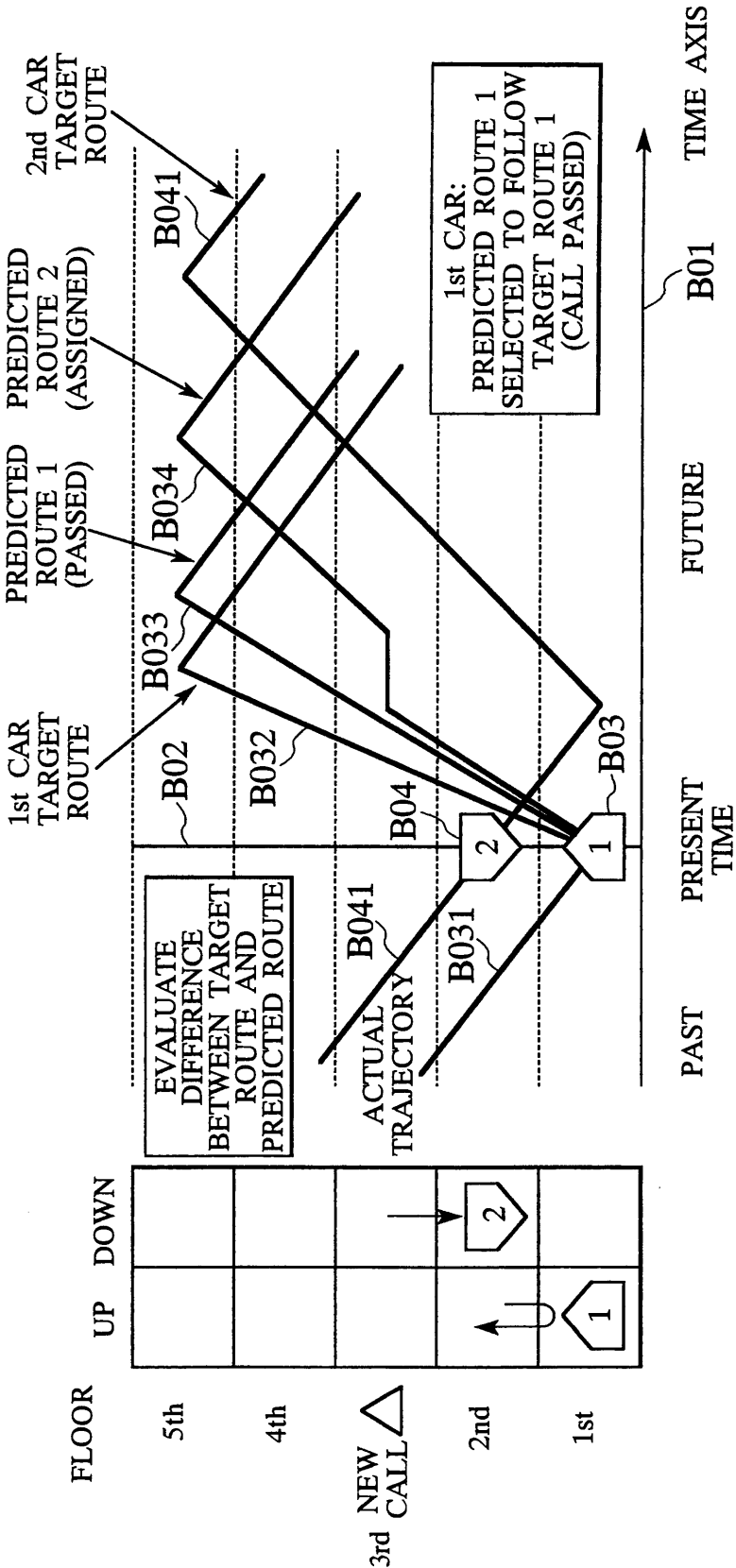


FIG.10A TARGET ROUTE CONTROL

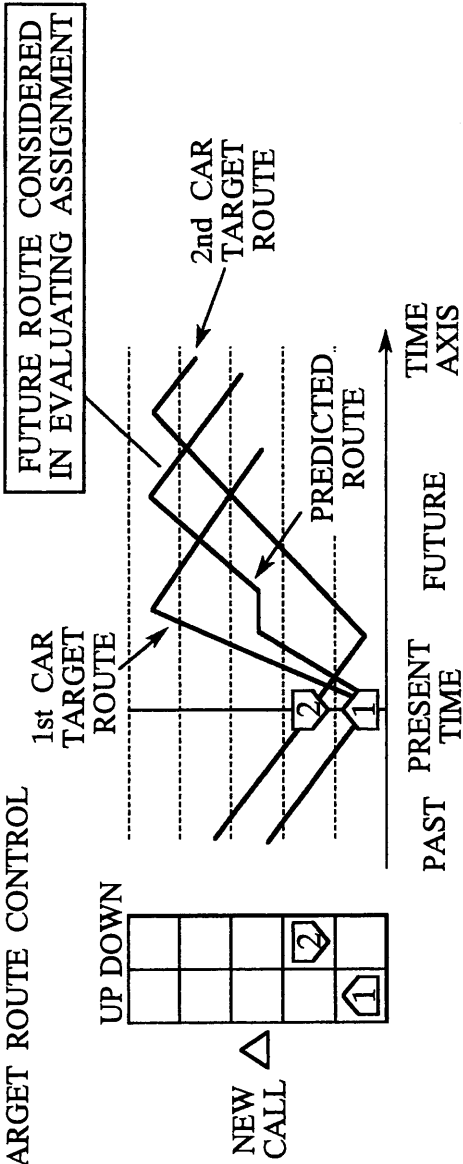


FIG.10B CONVENTIONAL CONTROL

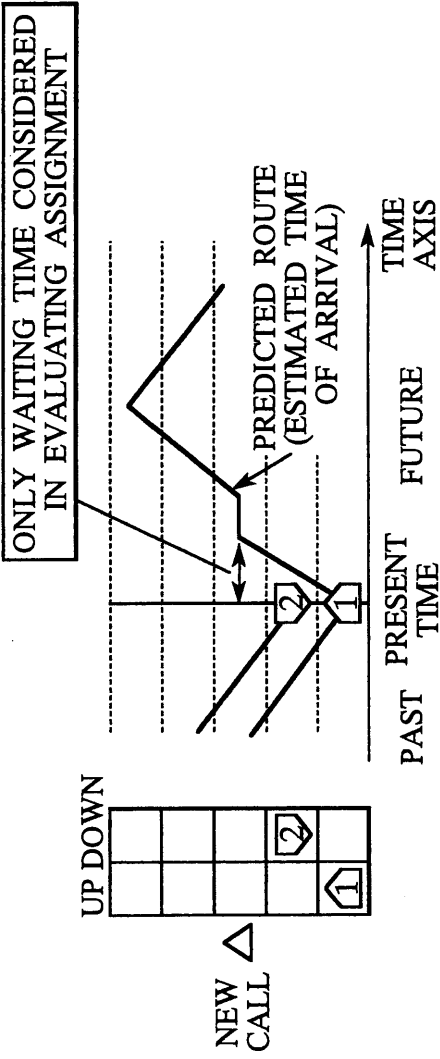


FIG.11A TARGET ROUTE PROFILES BEFORE ADJUSTED

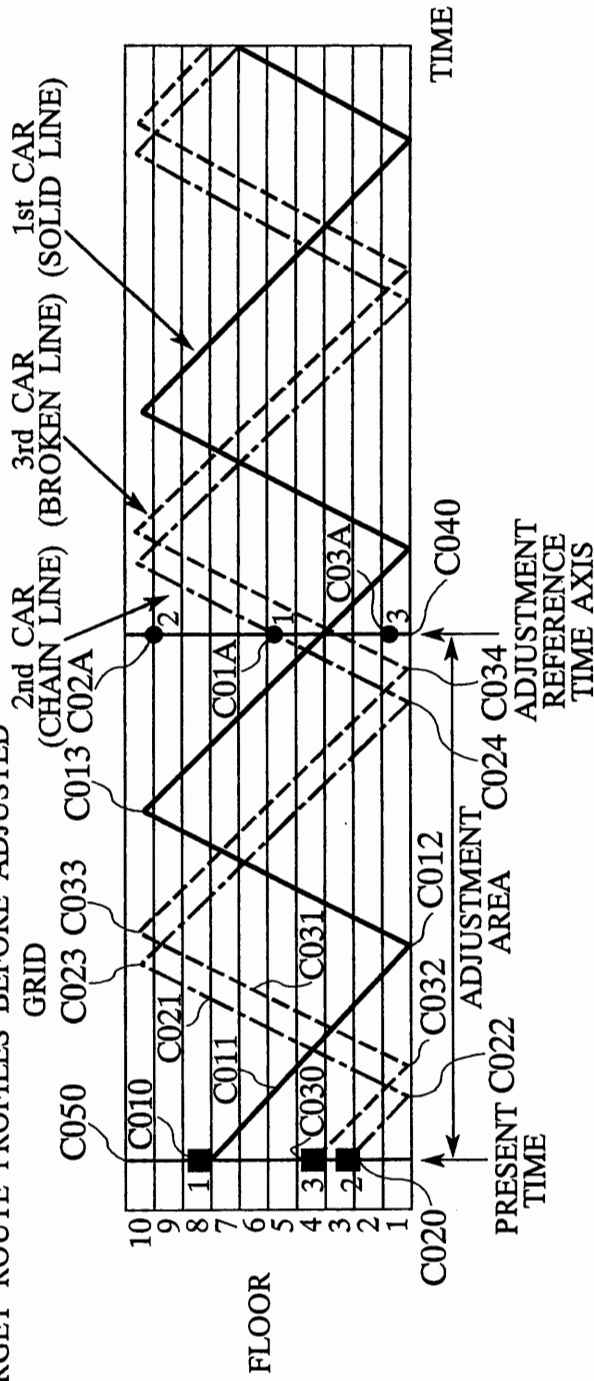


FIG.11B TARGET ROUTE PROFILES AFTER ADJUSTED

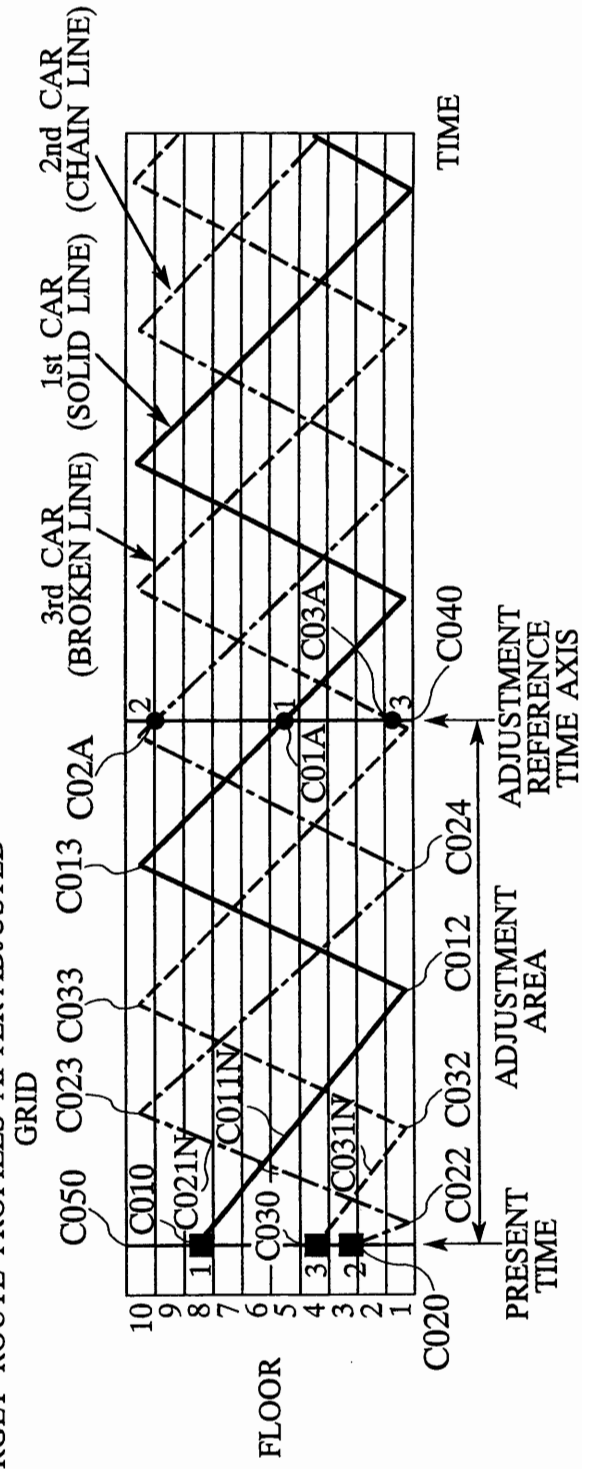


FIG.12

CONCEPT OF ADJUSTMENT AREA FOR TARGET ROUTE

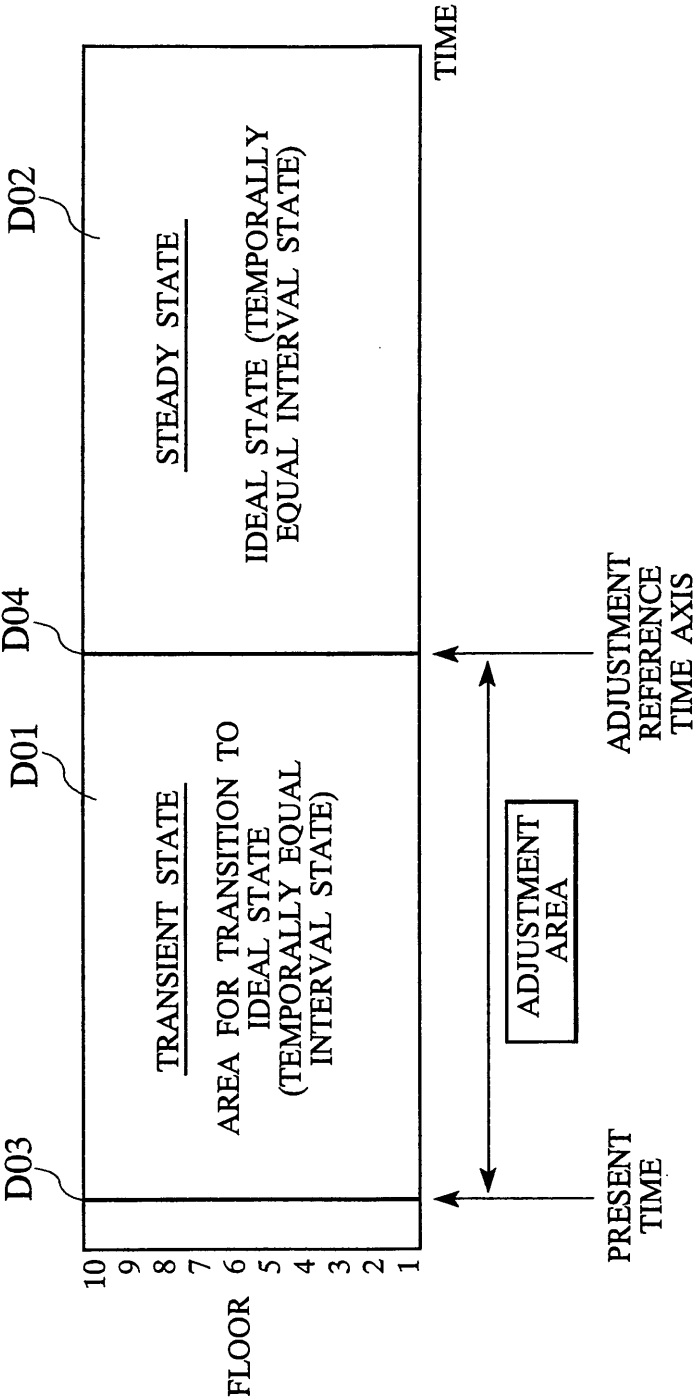


FIG.14A TARGET ROUTE PROFILE BEFORE ADJUSTED (2nd CAR)

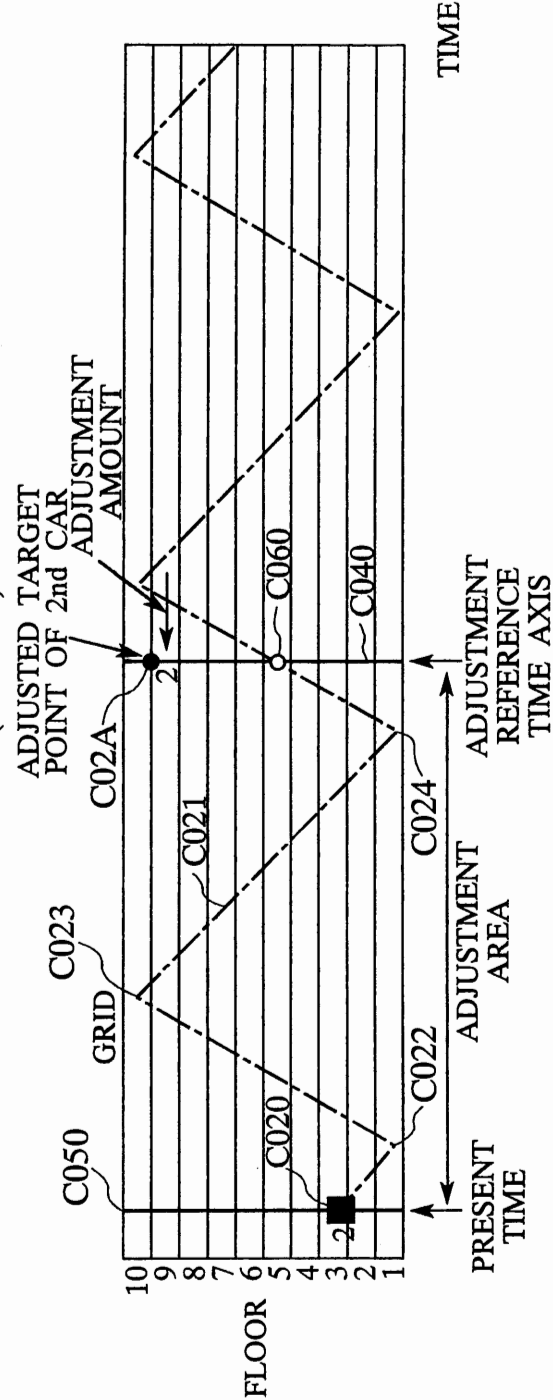


FIG.14B TARGET ROUTE PROFILE AFTER ADJUSTED (2nd CAR)

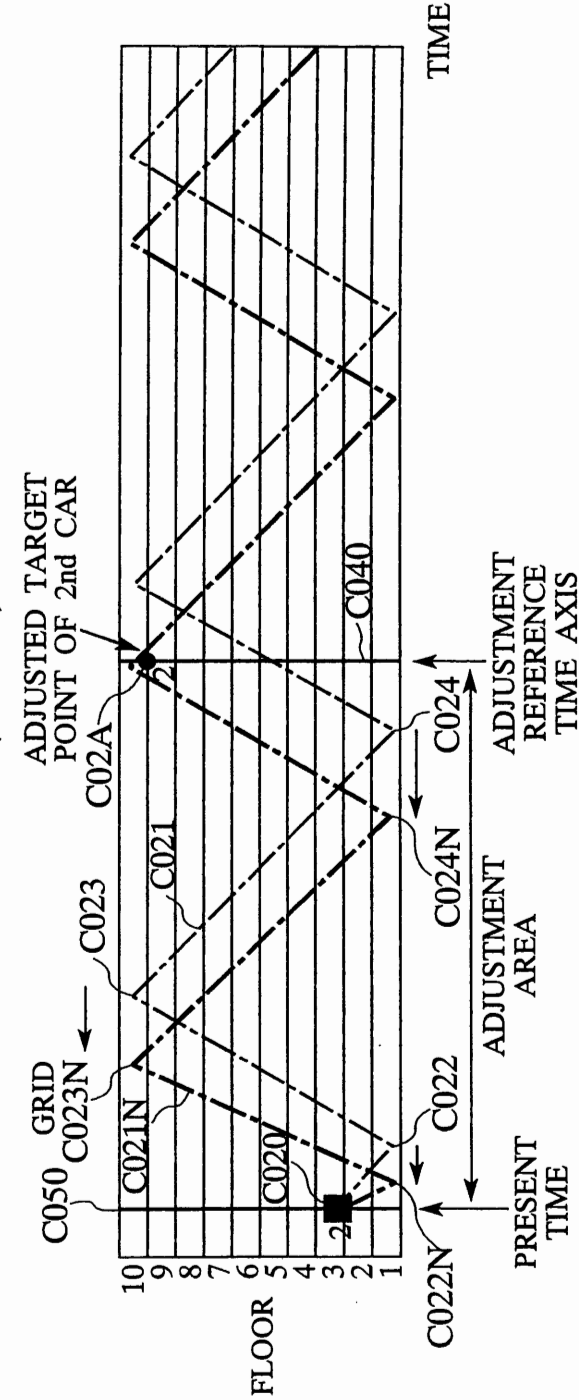


FIG.15

DEFINITION OF TEMPORAL PHASE VALUE tp

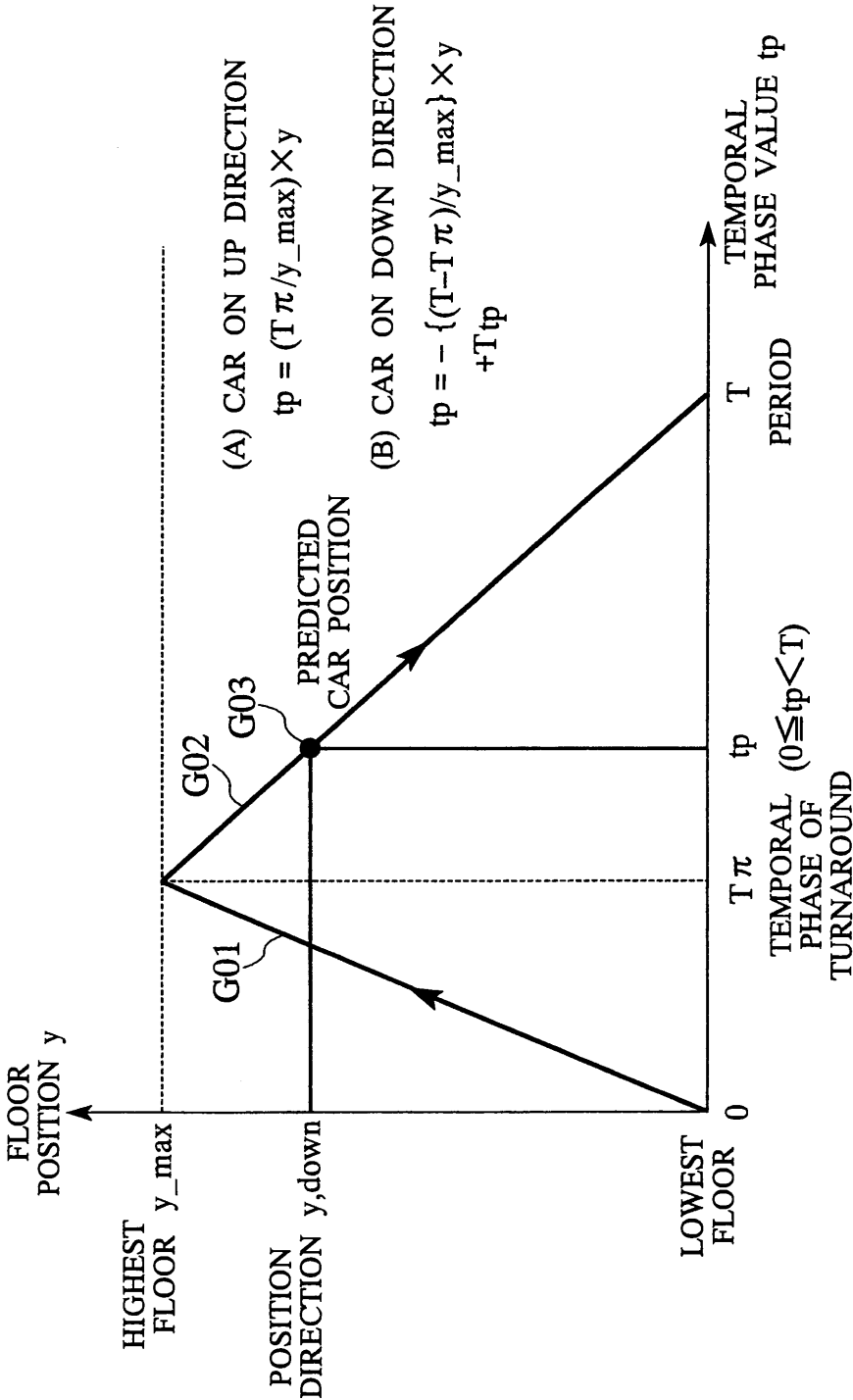


FIG.16A TARGET ROUTE PROFILES BEFORE ADJUSTED

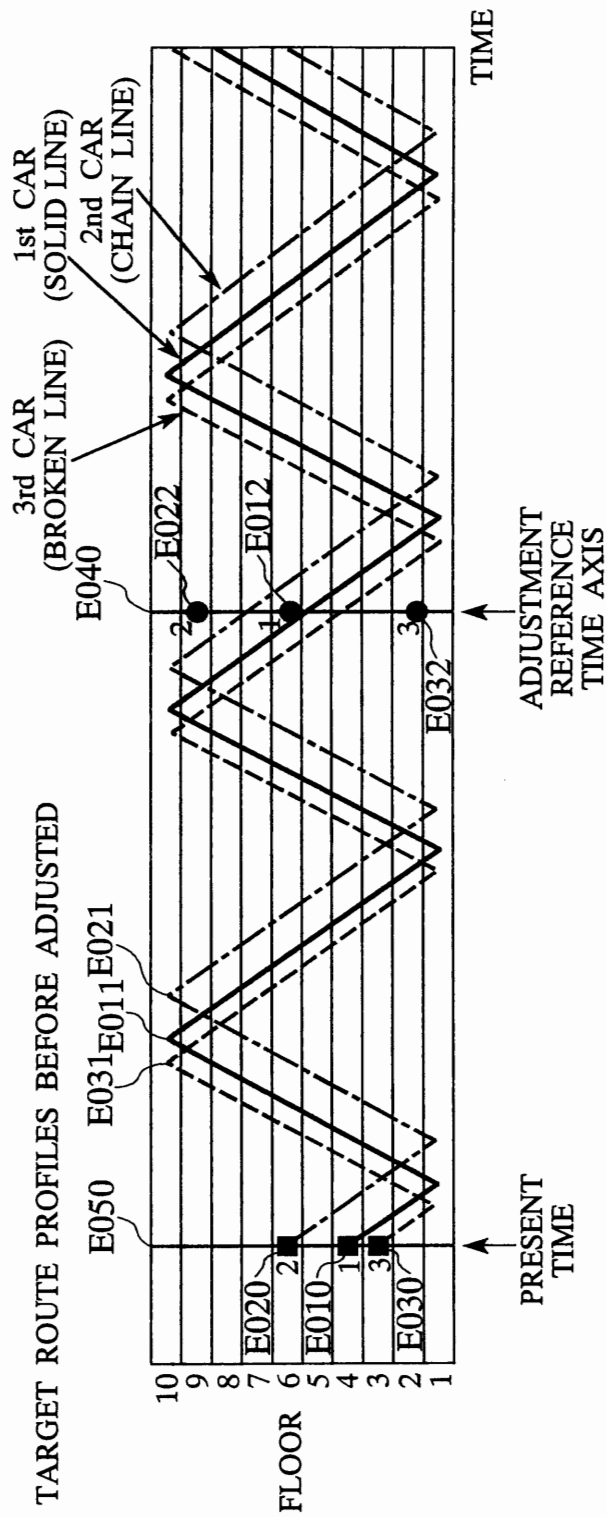


FIG.16B TARGET ROUTE PROFILES AFTER ADJUSTED (DETERMINED TARGET ROUTES)

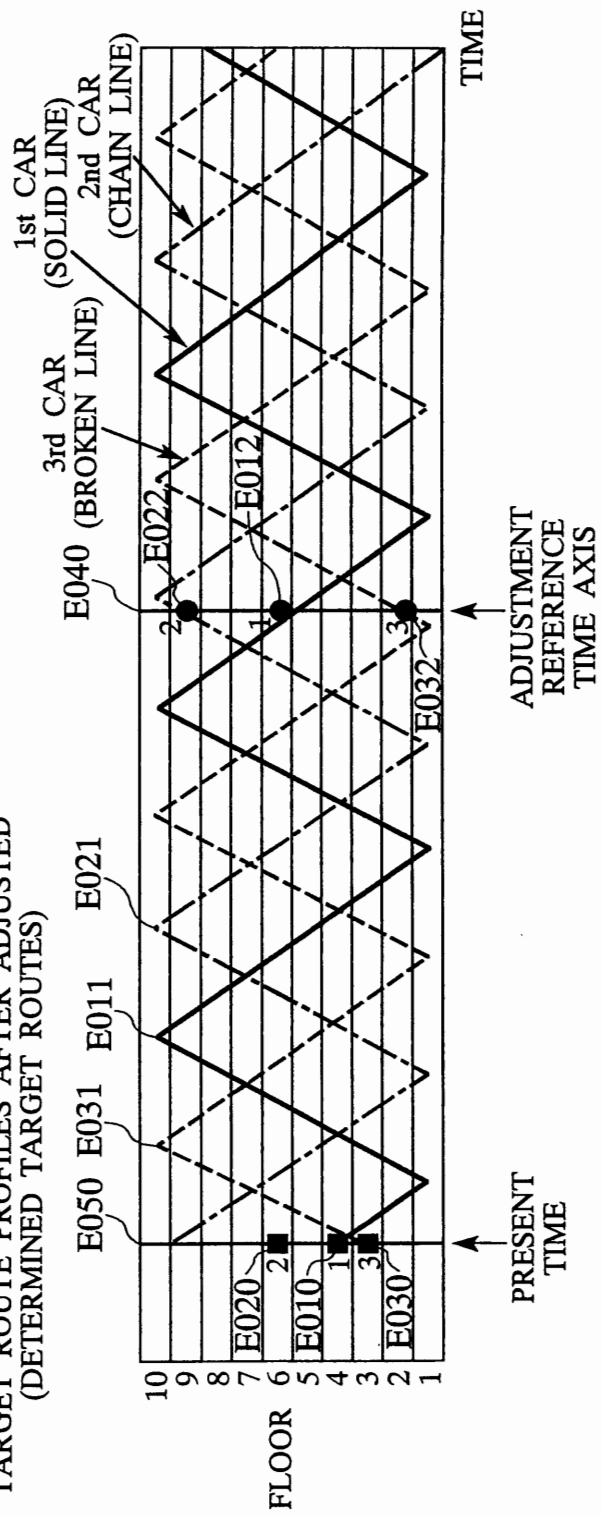


FIG.17A

FEW ASSIGNMENTS (STOPS)

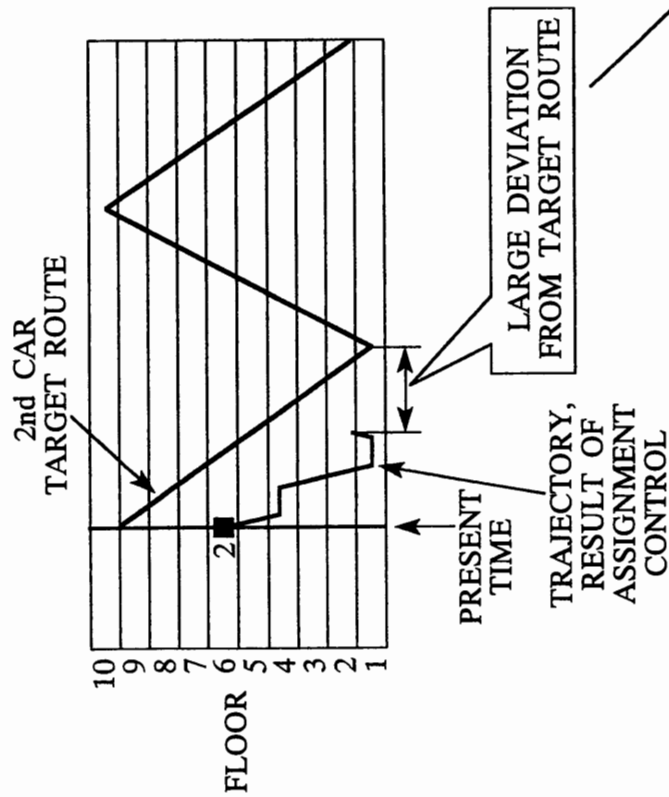
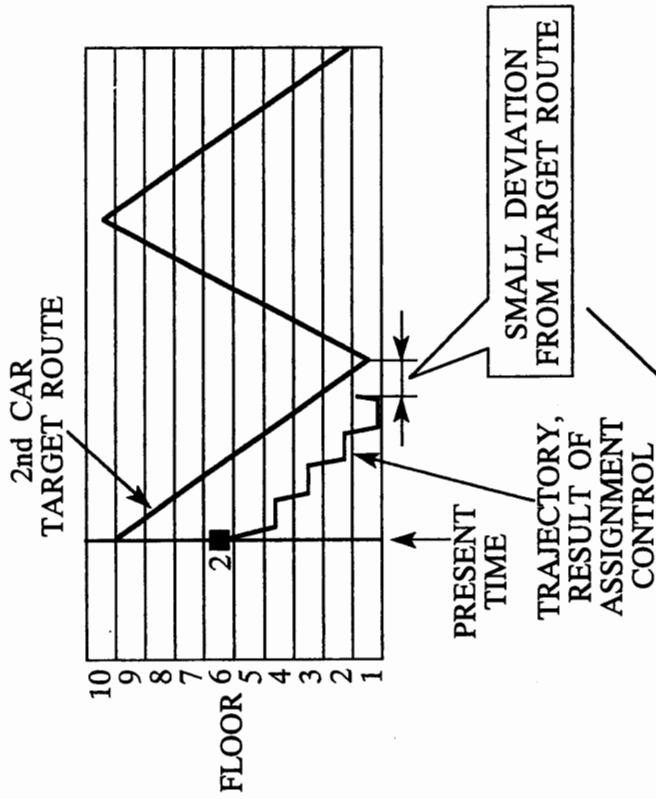


FIG.17B

MANY ASSIGNMENTS (STOPS)



TARGET ROUTE CONTROL DETERMINES
ASSIGNMENT SO AS TO DECREASE
THE ASSIGNMENT.

THEREFORE, MANY CALLS ARE ASSIGNED
TO THE SECOND CAR AS SHOWN IN FIG.17B
CONSEQUENTLY, THE ACTUAL ROUTE COMES
CLOSER TO THE TARGET ROUTE.

FIG. 18A INTEGRATION ALONG
TIME AXIS

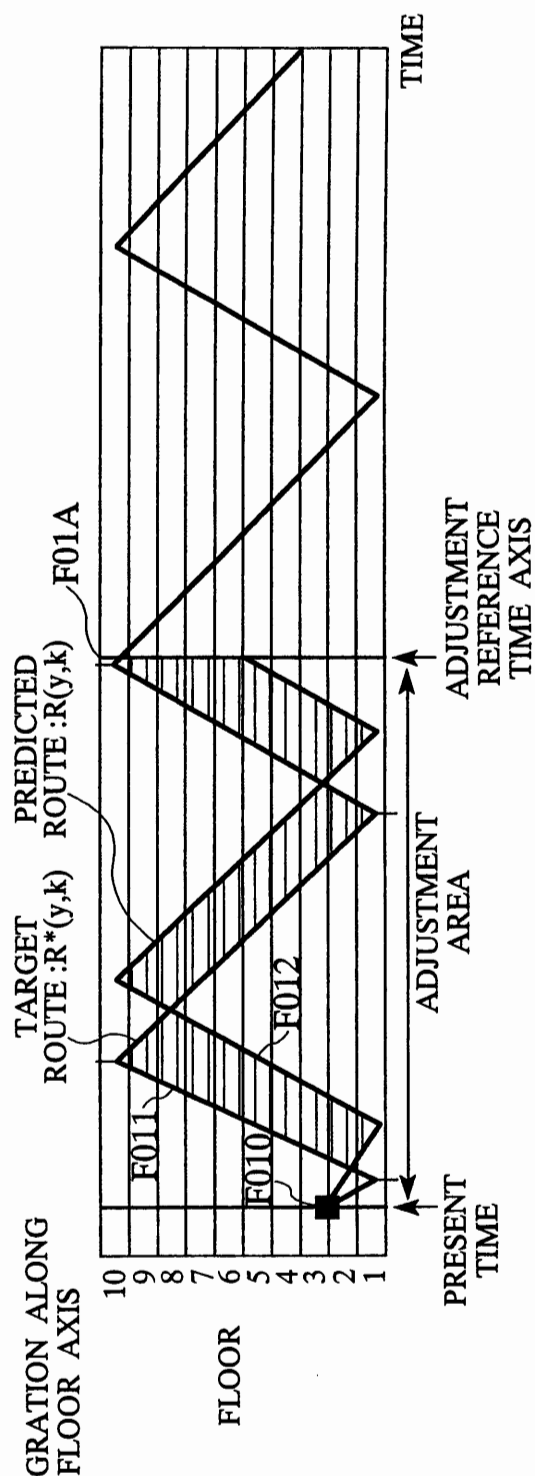


FIG.19

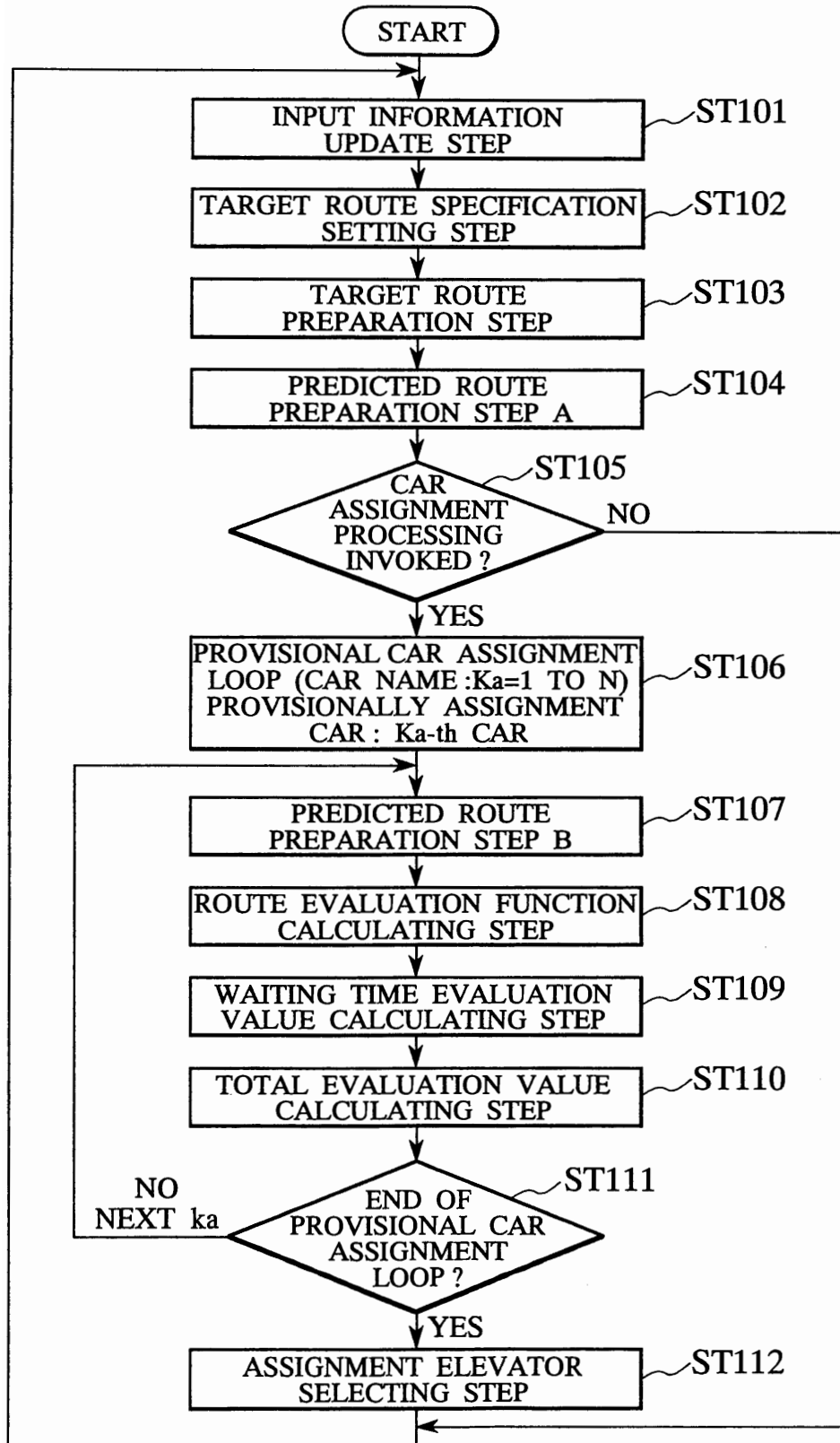
GENERAL FLOWCHART OF
CONTROL PROCESSING

FIG.20

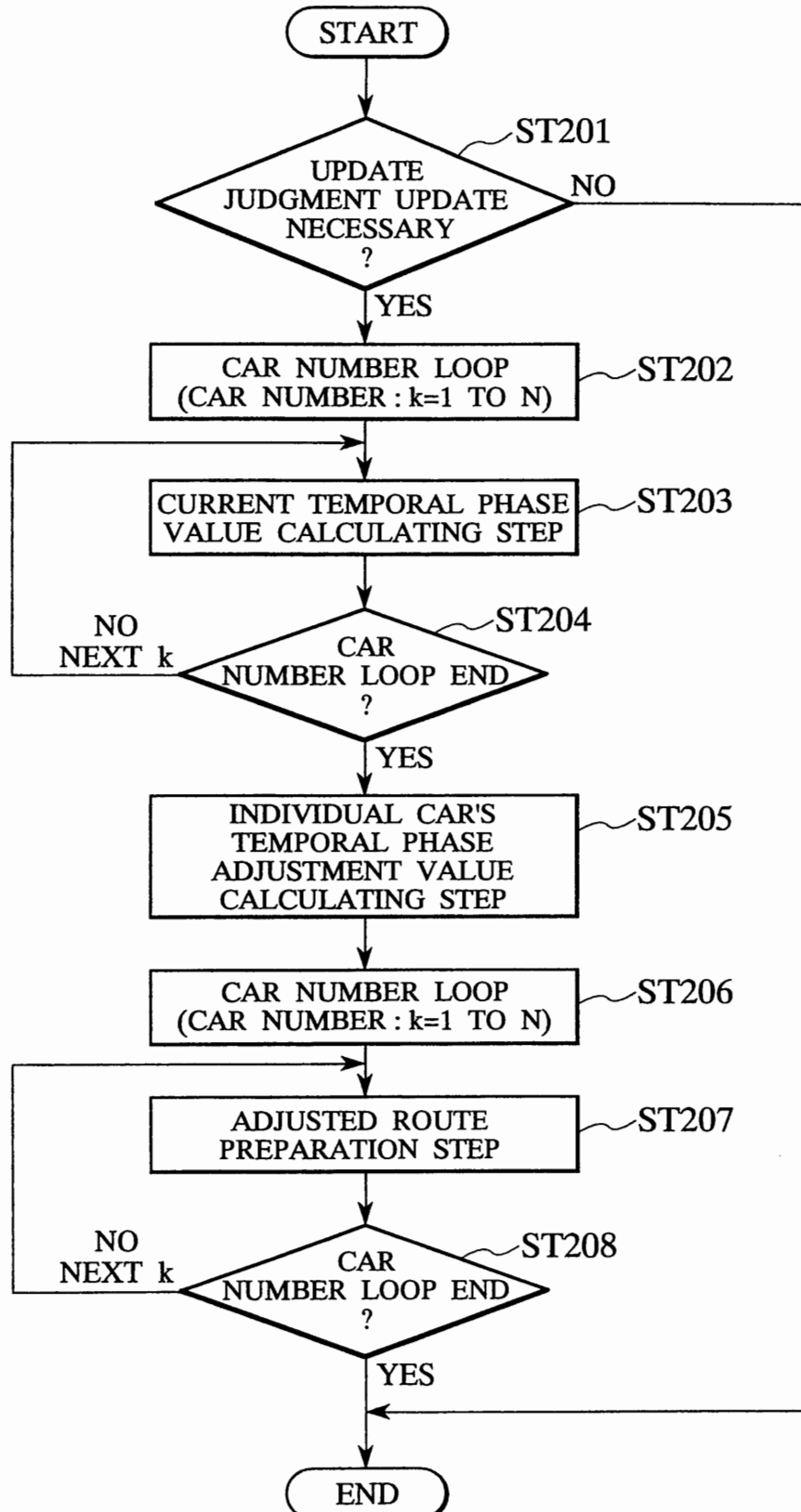


FIG.21

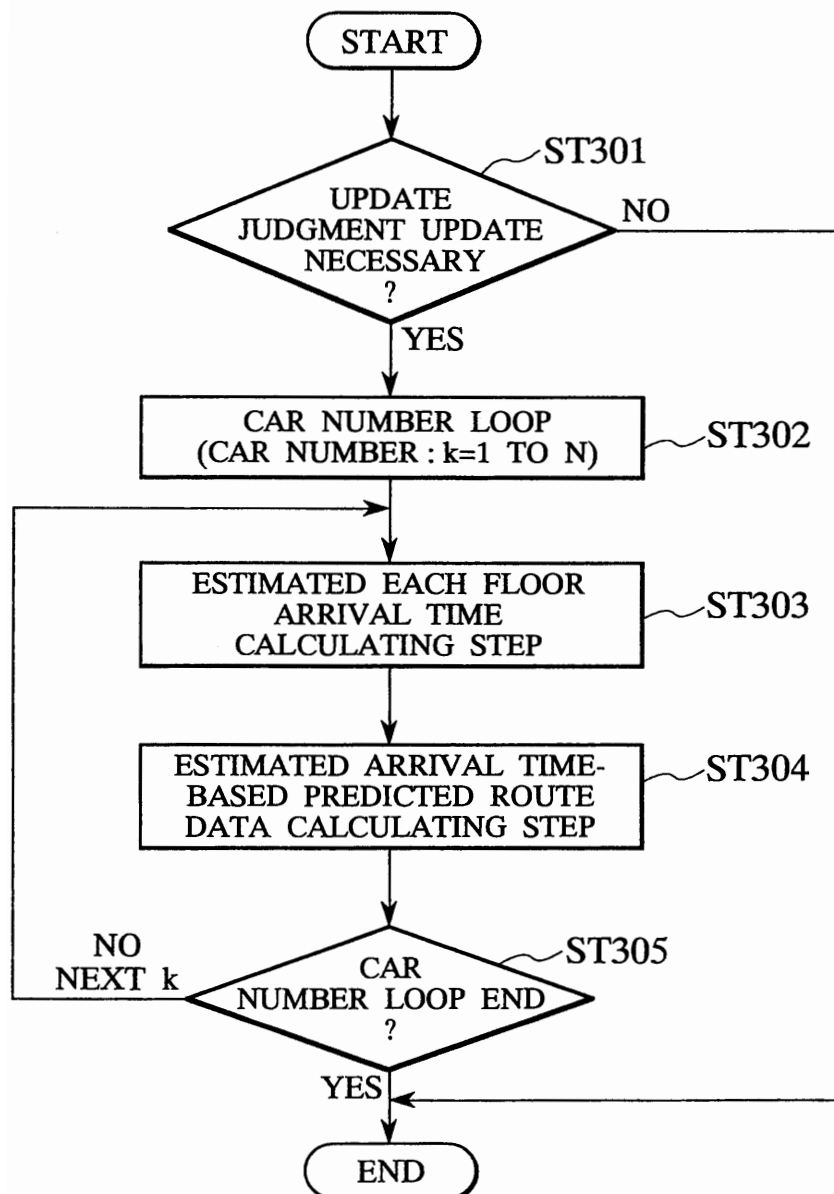


FIG.22

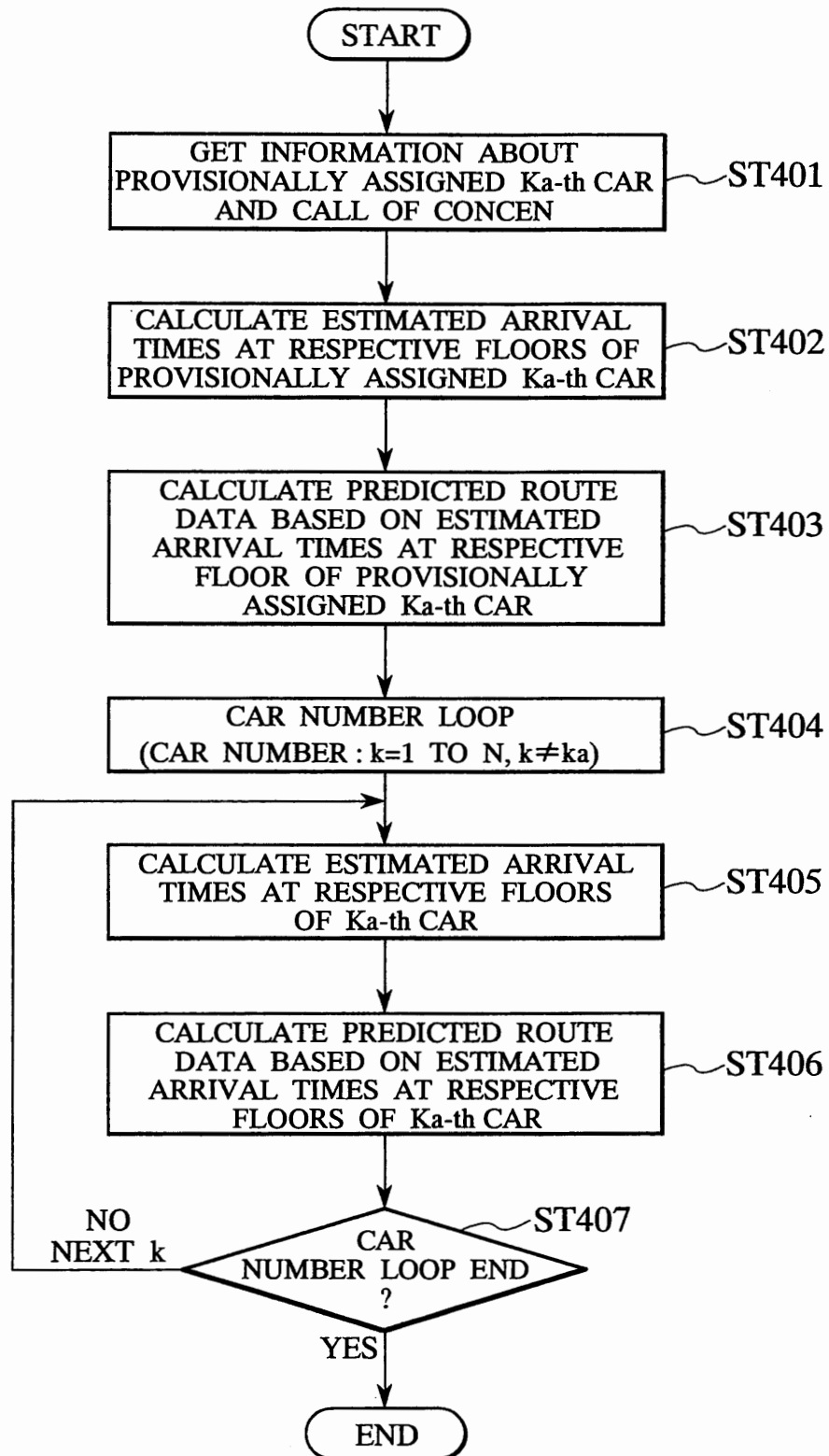


FIG.23

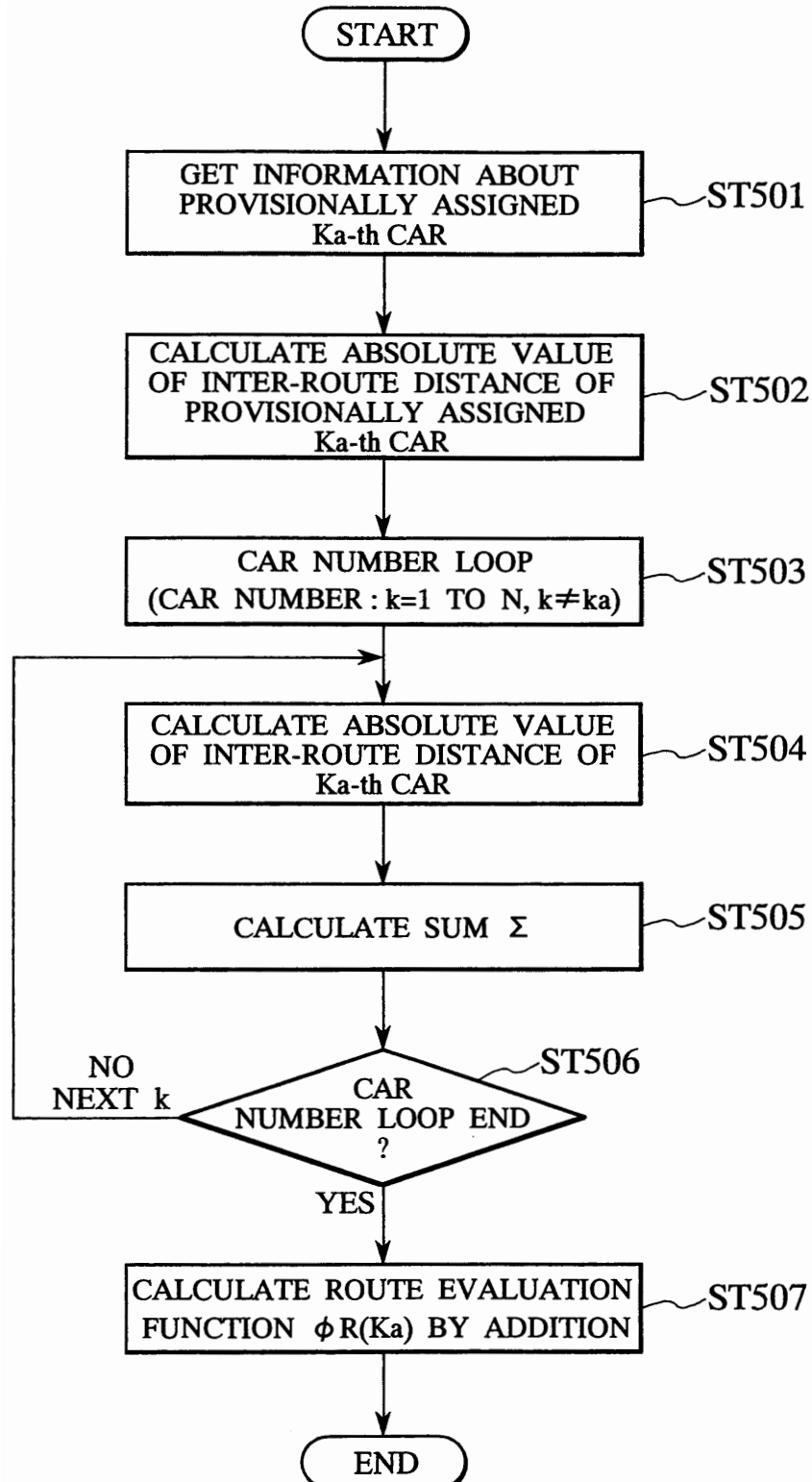


FIG.24

