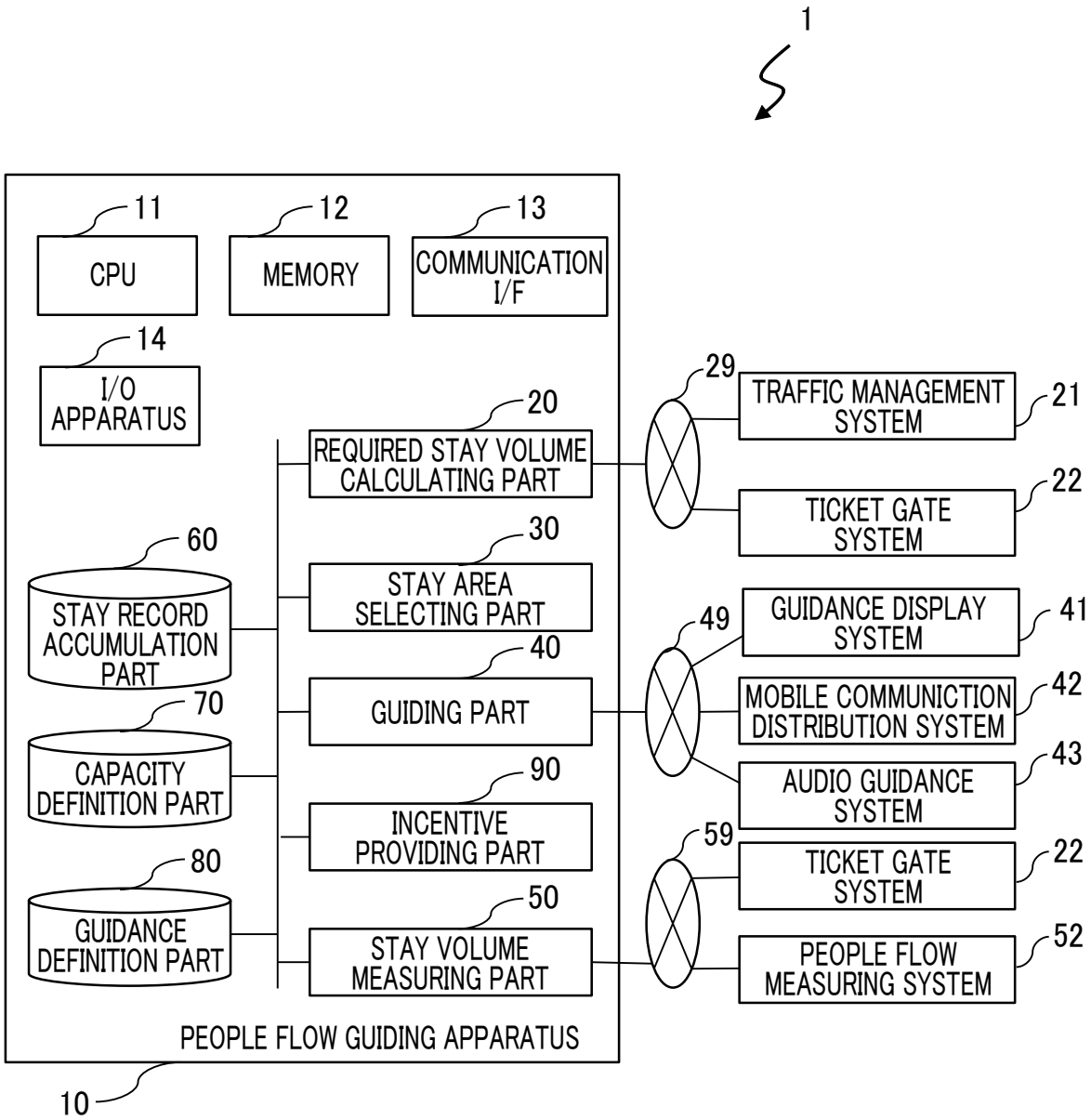

1
11
CPU
12
MEMORY
13
COMMUNICATION I/F
14
I/O APPARATUS
20
REQUIRED STAY VOLUME CALCULATING PART
30
STAY AREA SELECTING PART
40
GUIDING PART
90
INCENTIVE PROVIDING PART
50
STAY VOLUME MEASURING PART
60
STAY RECORD ACCUMULATION PART
70
CAPACITY DEFINITION PART
80
GUIDANCE DEFINITION PART
PEOPLE FLOW GUIDING APPARATUS
10
29
TRAFFIC MANAGEMENT SYSTEM
21
TICKET GATE SYSTEM
22
49
GUIDANCE DISPLAY SYSTEM
41
MOBILE COMMUNICTION DISTRIBUTION SYSTEM
42
AUDIO GUIDANCE SYSTEM
43
59
TICKET GATE SYSTEM
22
PEOPLE FLOW MEASURING SYSTEM
52

FIG. 1

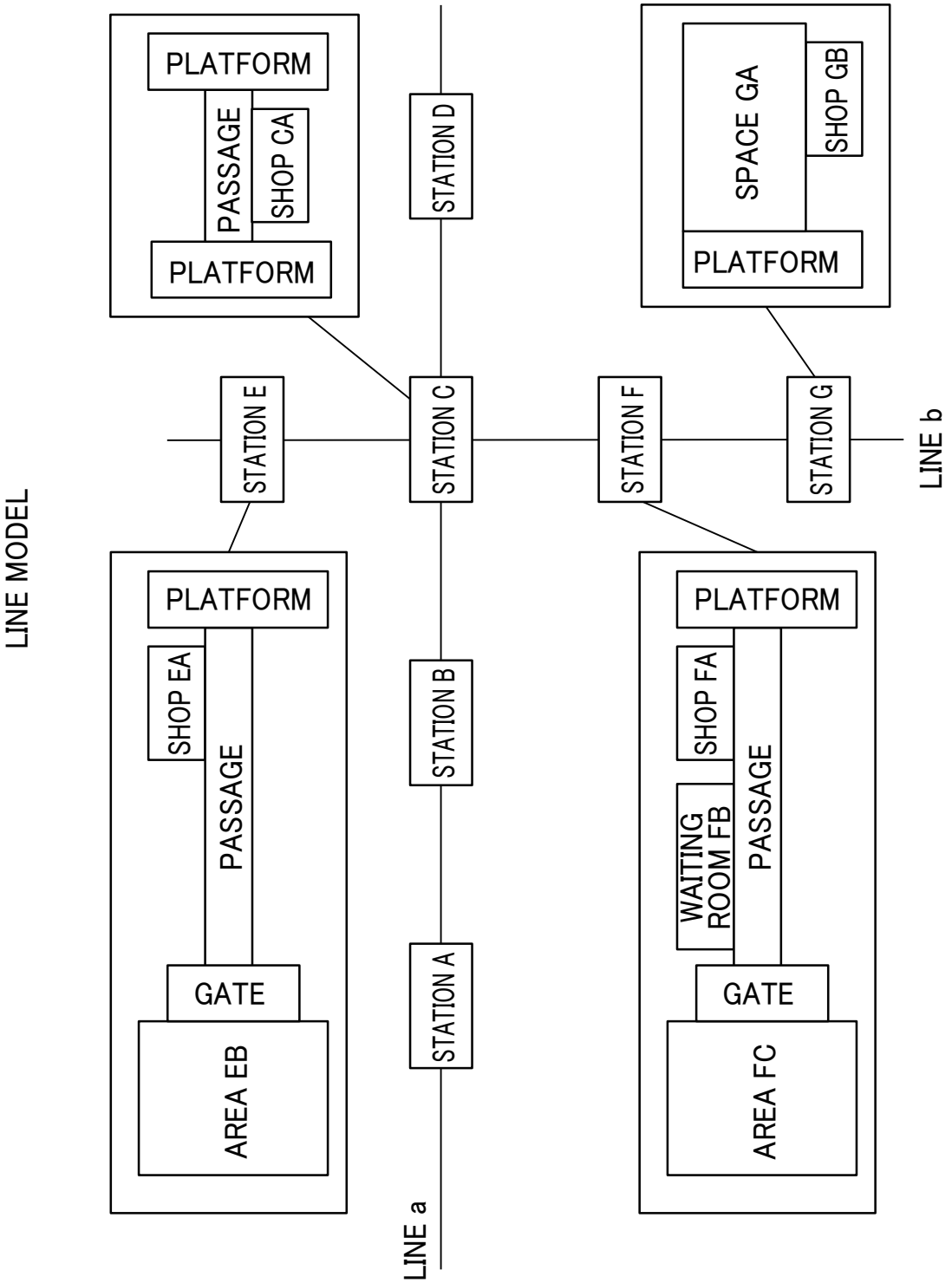

LINE MODEL
PLATFORM
PASSAGE
SHOP CA
PLATFORM
STATION D
SPACE GA
SHOP GB
PLATFORM
STATION E
STATION C
STATION F
STATION G
LINE b
PLATFORM
SHOP EA
PASSAGE
GATE
AREA EB
STATION B
STATION A
LINE a
PLATFORM
SHOP FA
WAITING ROOM FB
PASSAGE
GATE
AREA FC

FIG. 2

REQUIRED STAY VOLUME CALCULATION PROCESS

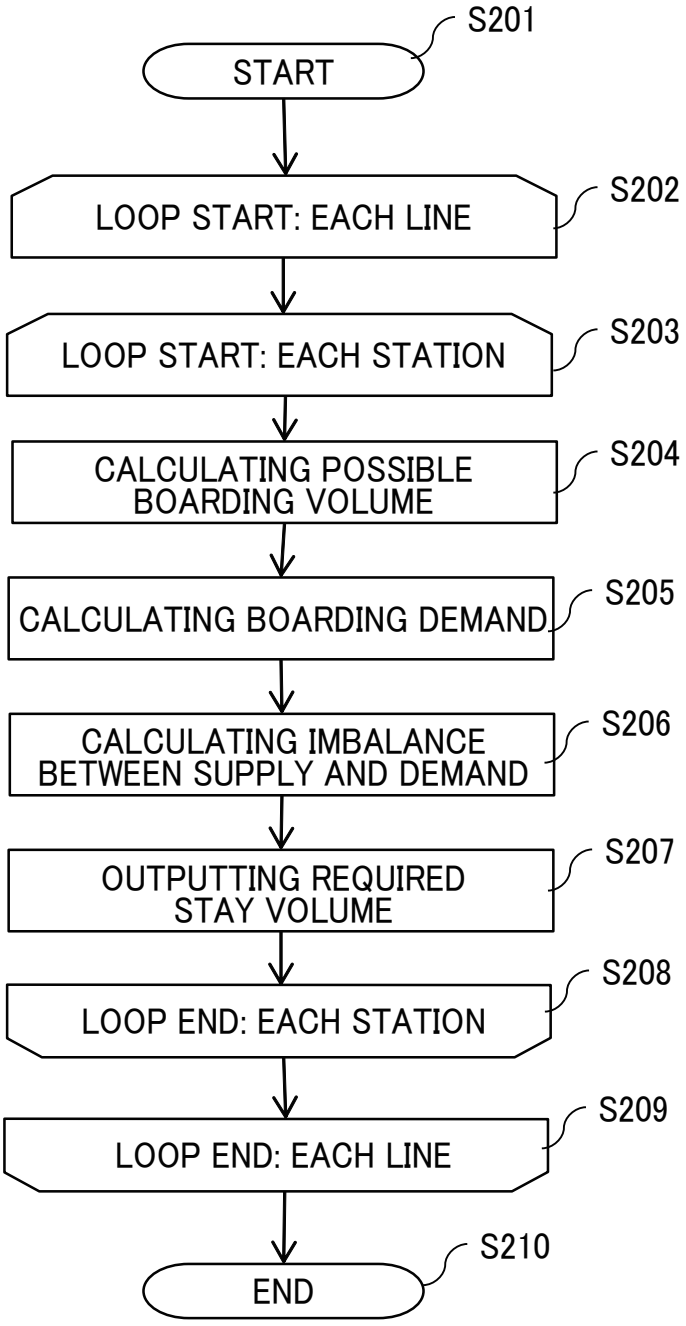


FIG. 3

OPERATION RECORD DATA (LINE a, STATION C)

TRAIN ID	STATION (LINE a)	SCHEDULED DEPARTURE TIME	ACTUAL DEPARTURE TIME	PLANNED DEPARTURE TIME	CAPACITY (PERSONS)	NORMAL OCCUPANCY RATE (%) UPPER: ON ARRIVAL BOTTOM: ON DEPARTURE	OCCUPANCY RATE (%) UPPER: ON ARRIVAL BOTTOM: ON DEPARTURE	GET-OFF RATE (%)
1001	STATION C	10:01	10:01	—	1000	200 200	200 200	10
1002	STATION C	10:04	10:05	—	1000	200 200	200 200	10
1003	STATION C	10:07	10:11	—	1000	200 200	200 200	10
1004	STATION C	10:11	10:16	—	1000	200 200	200 200	10
1005	STATION C	10:14	—	10:22	1000	200 200	200 200	10
1006	STATION C	10:17	—	10:28	1000	200 200	200 200	10

FIG. 4

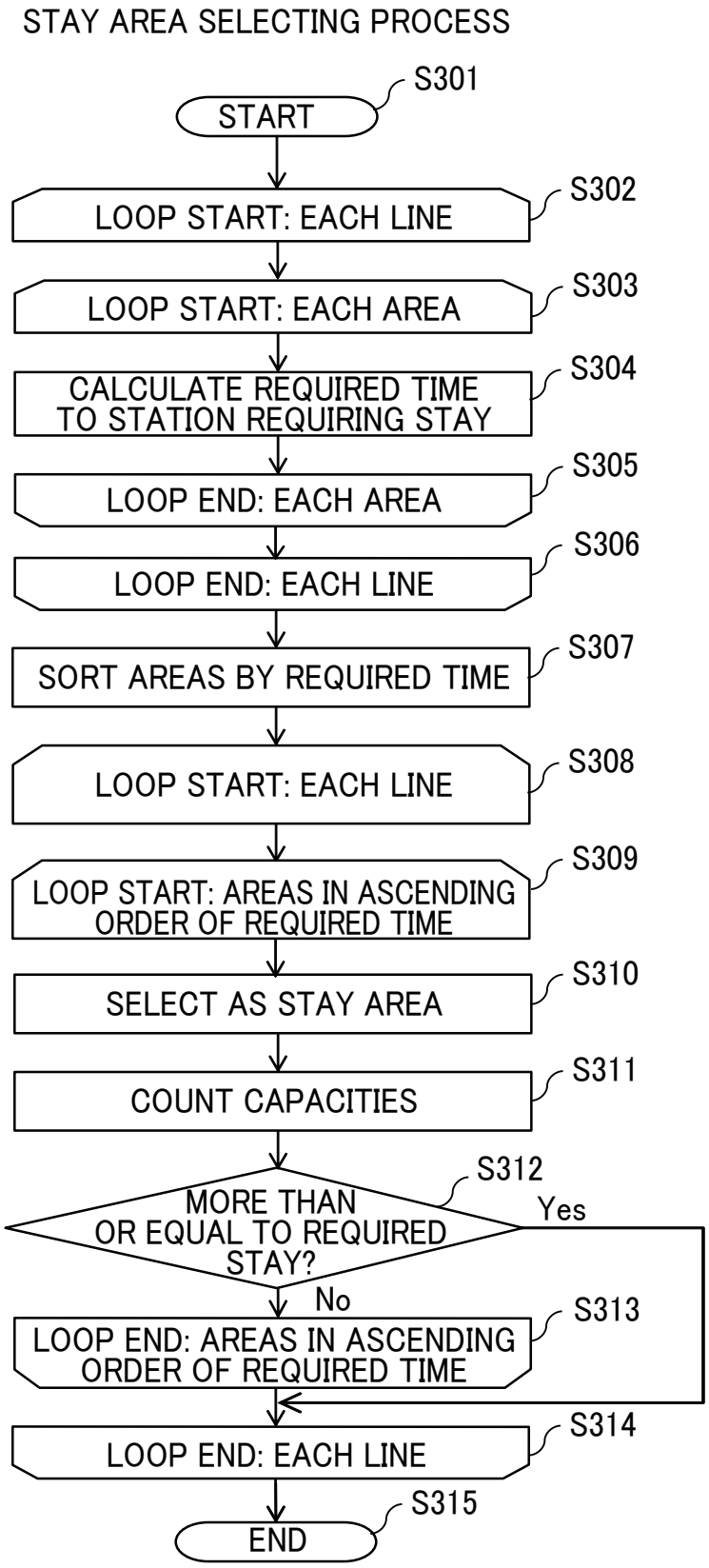

STAY AREA SELECTING PROCESS
S301
START
S302
LOOP START: EACH LINE
S303
LOOP START: EACH AREA
S304
CALCULATE REQUIRED TIME TO STATION REQUIRING STAY
S305
LOOP END: EACH AREA
S306
LOOP END: EACH LINE
S307
SORT AREAS BY REQUIRED TIME
S308
LOOP START: EACH LINE
S309
LOOP START: AREAS IN ASCENDING ORDER OF REQUIRED TIME
S310
SELECT AS STAY AREA
S311
COUNT CAPACITIES
S312
MORE THAN OR EQUAL TO REQUIRED STAY?
Yes
No
S313
LOOP END: AREAS IN ASCENDING ORDER OF REQUIRED TIME
S314
LOOP END: EACH LINE
S315
END

FIG. 5

CAPACITY DEFINITION INFORMATION TABLE 71 (CAPACITY DEFINITION PART 70)

STATION NAME	AREA (STAY)	AREA (DESTINATION)	REQUIREDTIME (MINUTE)	CAPACITY (PERSON)
STATION C	SHOP CA	PLATFORM (LINE a)	1	50
STATION E	SHOP EA	PLATFORM (LINE b)	2	80
STATION E	AREA EB	PLATFORM (LINE b)	5	200
STATION F	SHOP FA	PLATFORM (LINE b)	2	50
STATION F	WAITING ROOM FB	PLATFORM (LINE b)	4	100
STATION F	AREA FC	PLATFORM (LINE b)	5	200
STATION G	SPACE GA	PLATFORM (LINE b)	1	1000
STATION G	SHOP GB	PLATFORM (LINE b)	2	100
STATION A	STATION AA PREMISE	PLATFORM (LINE a)	1	800
STATION B	STATION BA PREMISE	PLATFORM (LINE a)	1	100
STATION C	PLATFORM (LINE b)	PLATFORM (LINE a)	2	0

FIG. 6

REQUIRED TIME DEFINITION INFORMATION TABLE 72
(CAPACITY DEFINITION PART 70)

LINE NAME	SECTION BETWEEN STATIONS	TIME BETWEEN STATIONS (MINUTE)
LINE a	STATION A-STATION B	3
LINE a	STATION B-STATION C	4
LINE a	STATION C-STATION D	6
LINE b	STATION E-STATION C	3
LINE b	STATION C-STATION F	2
LINE b	STATION F-STATION G	4

FIG. 7

GUIDANCE DEFINITION TABLE 81 (GUIDANCE DEFINITION PART 80)

STATION NAME	AREA (STAY)	GUIDANCE ITEM	INCENTIVE CONTENT	INCENTIVE PROVIDING TIMING
STATION C	SHOP CA	SERVING NICE FRESH COFFEE	10% OF PURCHASE AMOUNT	ON PURCHASE
STATION E	SHOP EA	DELIVERING UP-TO -DATE FASHION	10% OF PURCHASE AMOUNT	ON EXIT FROM GATE
STATION E	AREA EB	FREE WIRELESS LAN AVAILABLE	NO EXIT FEE REQUIRED	ON RE-ENTRY
STATION F	SHOP FA	LINEUP OF VARIETY OF SOUVENIRS	JPY100	ON PURCHASE
STATION F	WAITING ROOM FB	FREE WIRELESS LAN AVAILABLE	—	—
STATION F	AREA FC	20 RESTAURANTS IN STATION BUILDING	NO EXIT FEE REQUIRED	ON RE-ENTRY
STATION G	SPACE GA	EVENT FOR CHILDREN IS BEING HELD	—	—
STATION G	SHOP GB	100 SEATS IN TOTAL	—	—
STATION A	PREMISE OF STATION AA	FREE WIRELESS LAN	—	—
STATION B	PREMISE OF STATION BA	100 BENCH SEATS AVAILABLE	—	—
STATION C	PLATFORM (LINE b)	—	—	—

FIG. 8

GUIDANCE DISPLAY SCREEN EXAMPLE (GUIDANCE DISPLAY SYSTEM 41)

DUE TO OPERATION DISRUPTION IN LINE a, STATION C IS VERY CROWDED.
SHOP FA AT NEXT STATION (STATION F) HAS NOW ENOUGH SPACE
WITH LINEUP OF PLENTY OF SOUVENIRS.
MOREOVER JPY100 DISCOUNT OFFERED ON PURCHASE.
WHY NOT GET OFF AT NEXT STATION (STATION F) AND STOP BY SHOP FA.

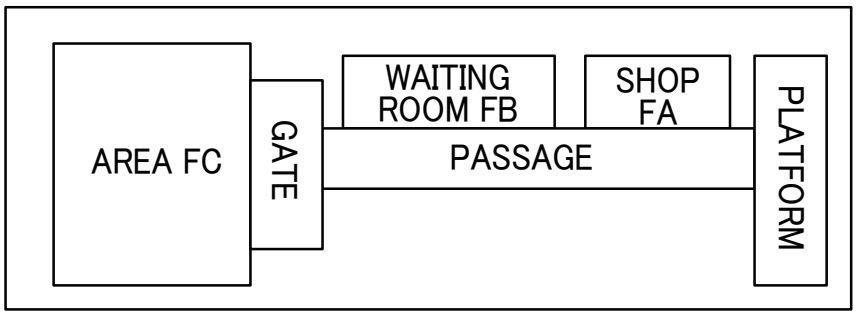


FIG. 9

EXAMPLE OF DATA STORED IN IC CARD

CARD ID: 123456

2013／10／01 10:00 STATION X ENTRY
2013／10／01 10:20 STATION E EXIT JPY150
2013／10／01 10:50 STATION E ENTRY
2013／10／01 11:00 STATION Y EXIT JPY150
2013／10／01 11:00 INCENTIVE －JPY100

FIG. 10

EXAMPLE OF DATA STORED IN IC CARD

CARD ID:123450

2013／10／01 10:00 STATION X ENTRY
2013／10／01 10:22 SHOP EA PURCHASE JPY300
2013／10／01 11:00 STATION Y EXIT
2013／10／01 11:00 INCENTIVE －JPY30

FIG. 11

ROUTE INFORMATION TABLE

LINE NAME	STATION ORDER
LINE a	STATION A、STATION B、STATION C、STATION D、STATION Y
LINE b	STATION X、STATION E、STATION C、STATION F、STATION G

FIG. 12