

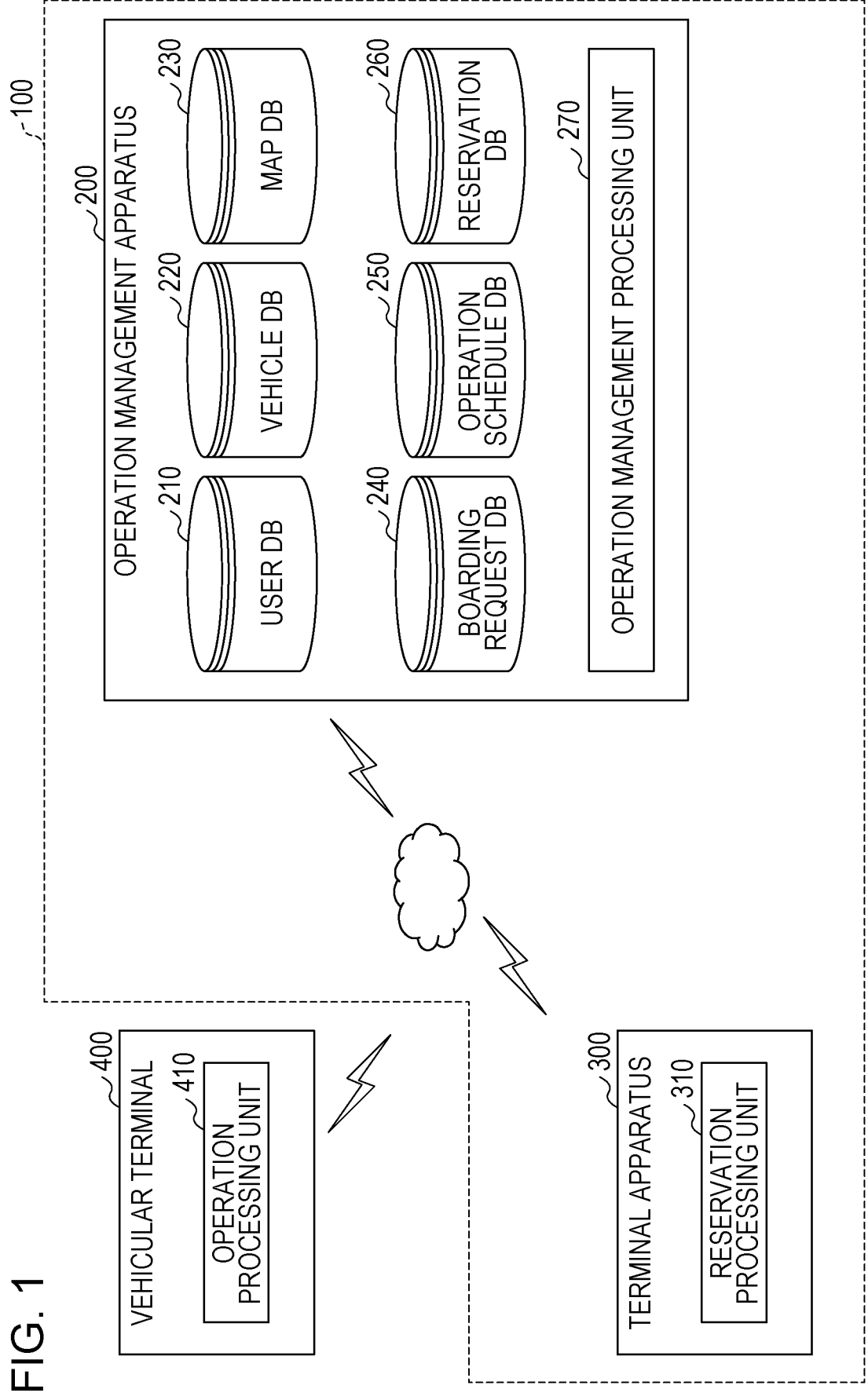


FIG. 2

200

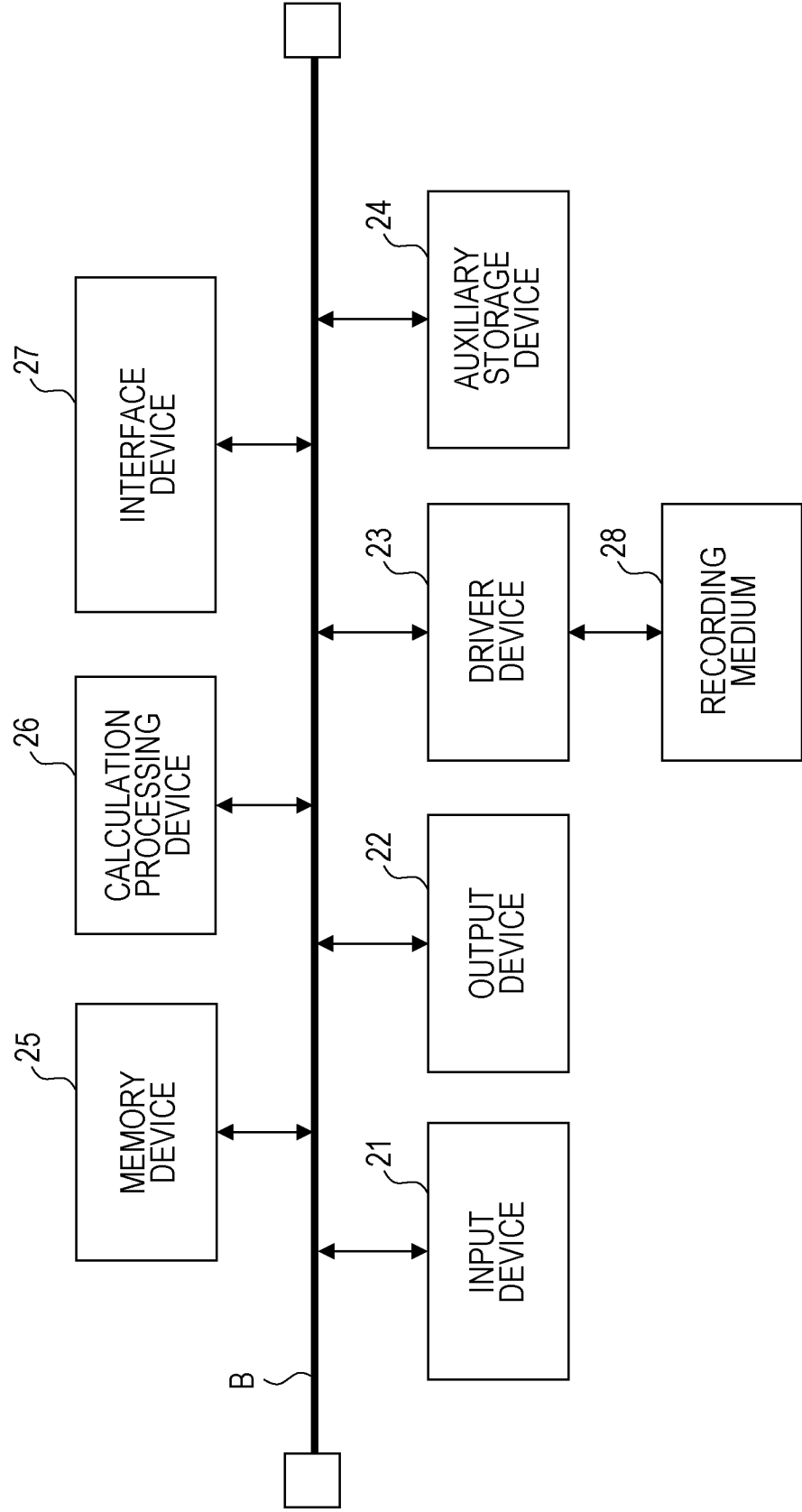


FIG. 3

210

USER ID	NAME	AGE	ADDRESS
1	〇〇××	35	123, B-CHO, A-SHI
2	...	...	...
3	...	...	...

FIG. 4

220

VEHICLE ID	SEATING CAPACITY	STATE
101	20 PEOPLE	AVAILABLE
102	10 PEOPLE	IN USE
...	...	...

FIG. 5A

231

NODE ID	LATITUDE	LONGITUDE
1	36.0476	140.1554
2	36.0475	140.1640
...	...	...

FIG. 5B

232

STARTING NODE ID	ENDING NODE ID	LENGTH	WIDTH	NUMBER OF LANES	SPEED LIMIT	...
1	2	400 m	20 m	2	40 km/h	...
2	3	150 m	10 m	4	50 km/h	...
...	...	...	...	...	...	...

FIG. 6

240

USER ID	DEPARTURE LOCATION	DESTINATION	DESIRED DEPARTURE TIME	DESIRED ARRIVAL TIME	NUMBER OF SEATS
1	HOME	○○ MOVIE THEATER	9:00	10:00	2
2	A STATION	B STATION	10:00	11:00	1
3	...	...	...	...	...

FIG. 7A

250

VEHICLE ID = 101 SCHEDULE ID = S ₁										
STOP SCHEDULE	SS _{1,1}	SS _{1,2}	SS _{1,3}	SS _{1,4}	SS _{1,5}	SS _{1,6}	SS _{1,7}	SS _{1,8}	SS _{1,9}	SS _{1,10}
STOP LOCATION	(a1,a2)	(b1,b2)	(c1,c2)	(d1,d2)	(e1,e2)	(f1,f2)	(g1,g2)	(h1,h2)	(i1,i2)	(j1,j2)
ARRIVAL TIME	—	9:15	9:30	9:50	9:53	10:00	10:03	10:10	10:15	10:20
DEPARTURE TIME	9:00	9:16	9:31	9:51	9:54	10:01	10:04	10:11	10:16	
BOARDING USER	1	2	—	—	3		4,5	6,7		
ALIGHTING USER	—	—	1	2		3		4	6	5,7

FIG. 7B

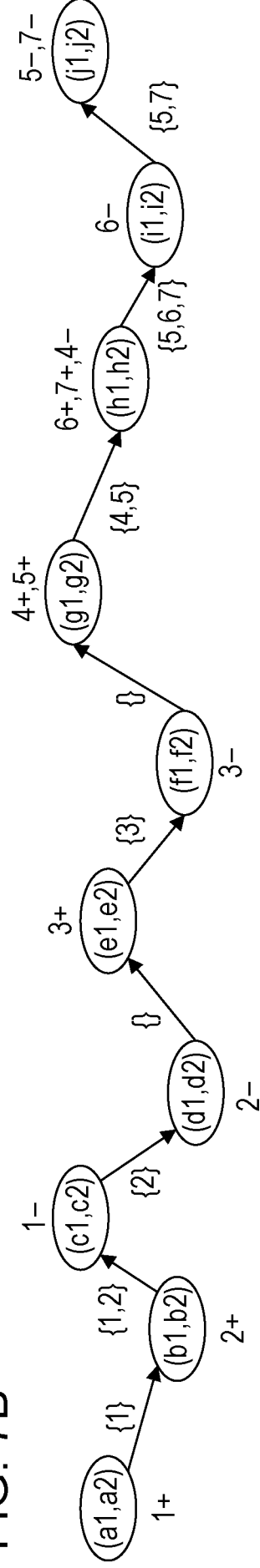


FIG. 8

260

VEHICLE ID=101						
USER ID	SCHEDULE ID	BOARDING POINT	ALIGHTING POINT	BOARDING TIME	ALIGHTING TIME	CHARGE (\$)
1	S ₁	(a1,a2)	(c1,c2)	9:00	9:30	10
2	S ₁	(b1,b2)	(d1,d2)	9:15	9:50	15
3	S ₁	(e1,e2)	(f1,f2)	9:53	10:00	5
...	...	...	...	...	...	...

FIG. 9

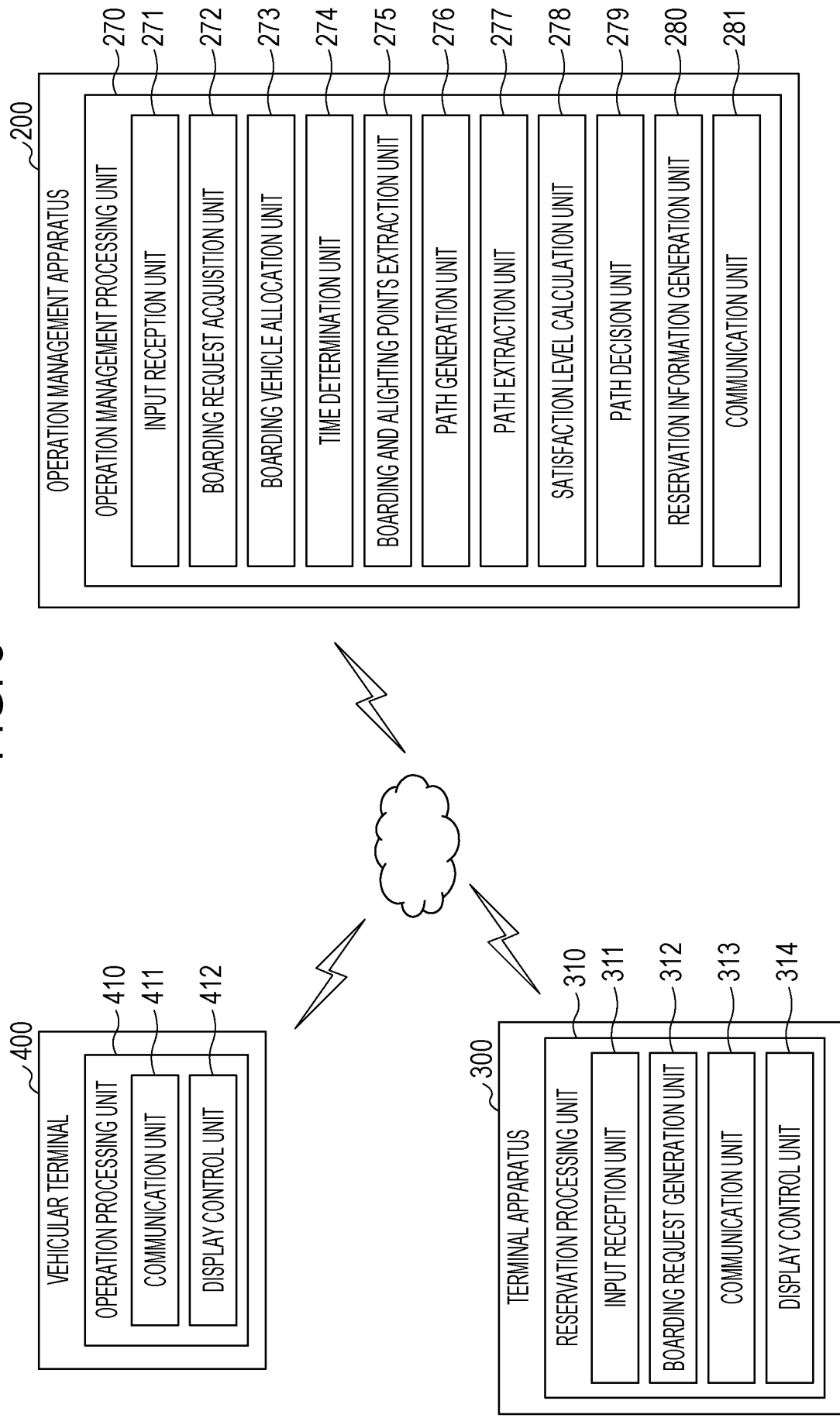


FIG. 10

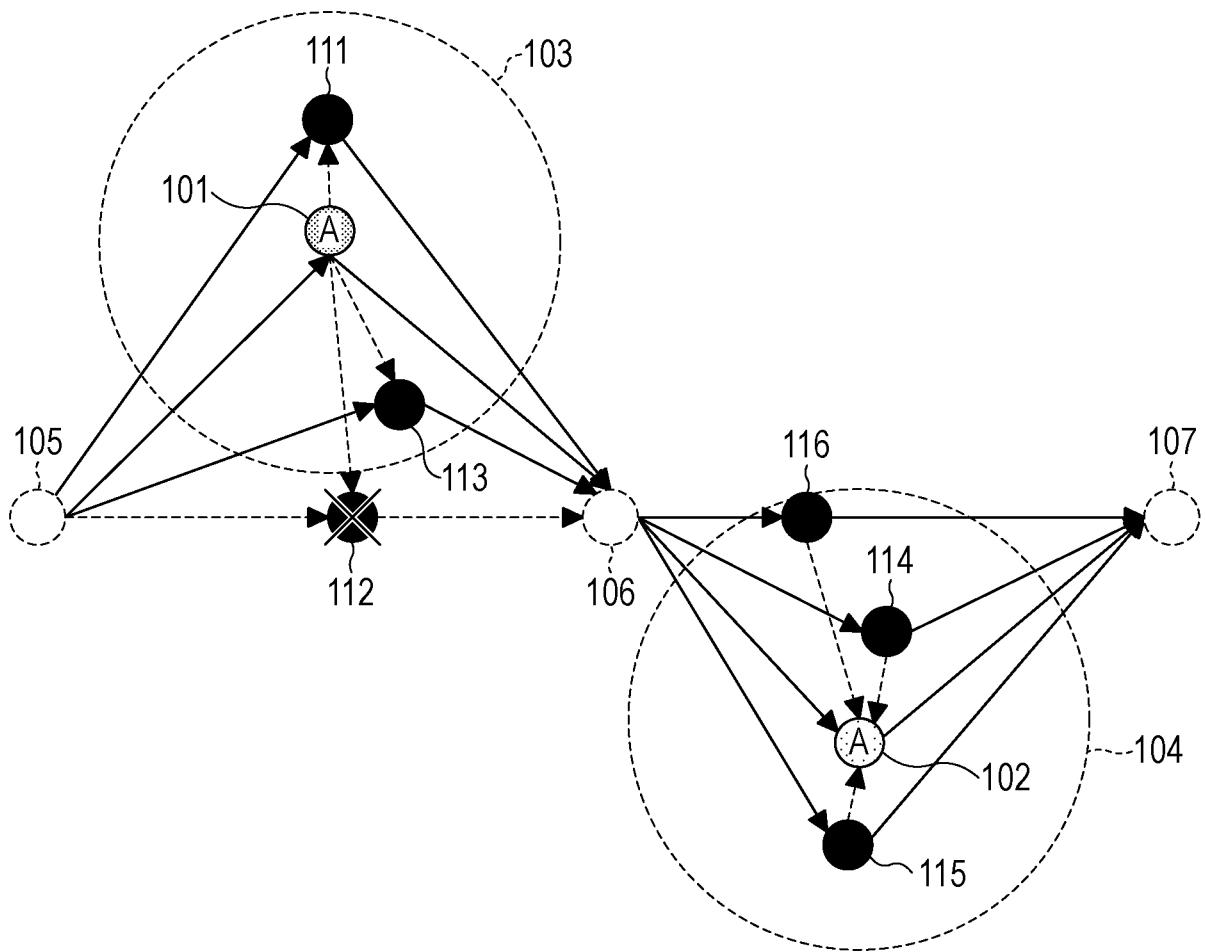


FIG. 11

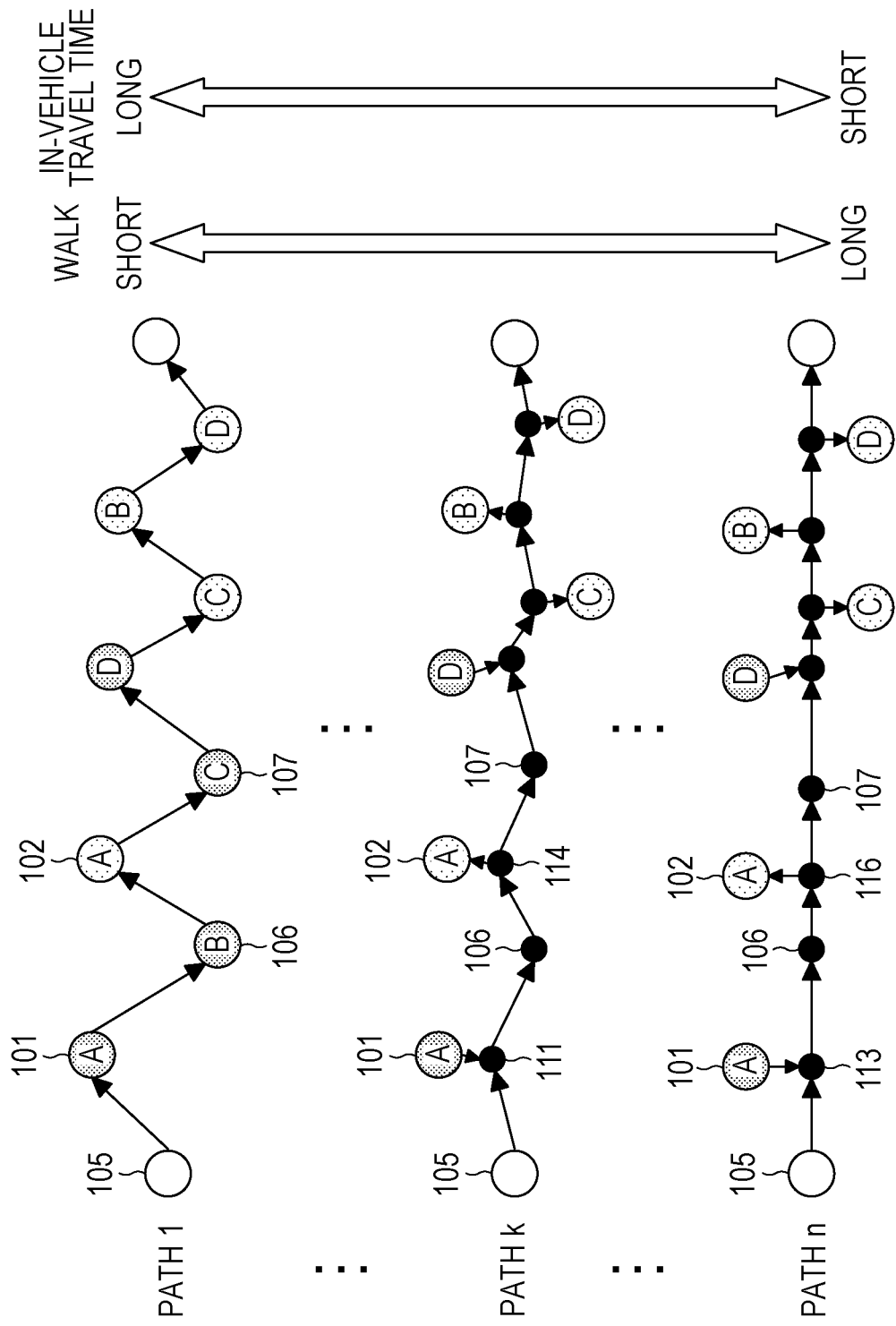


FIG. 12

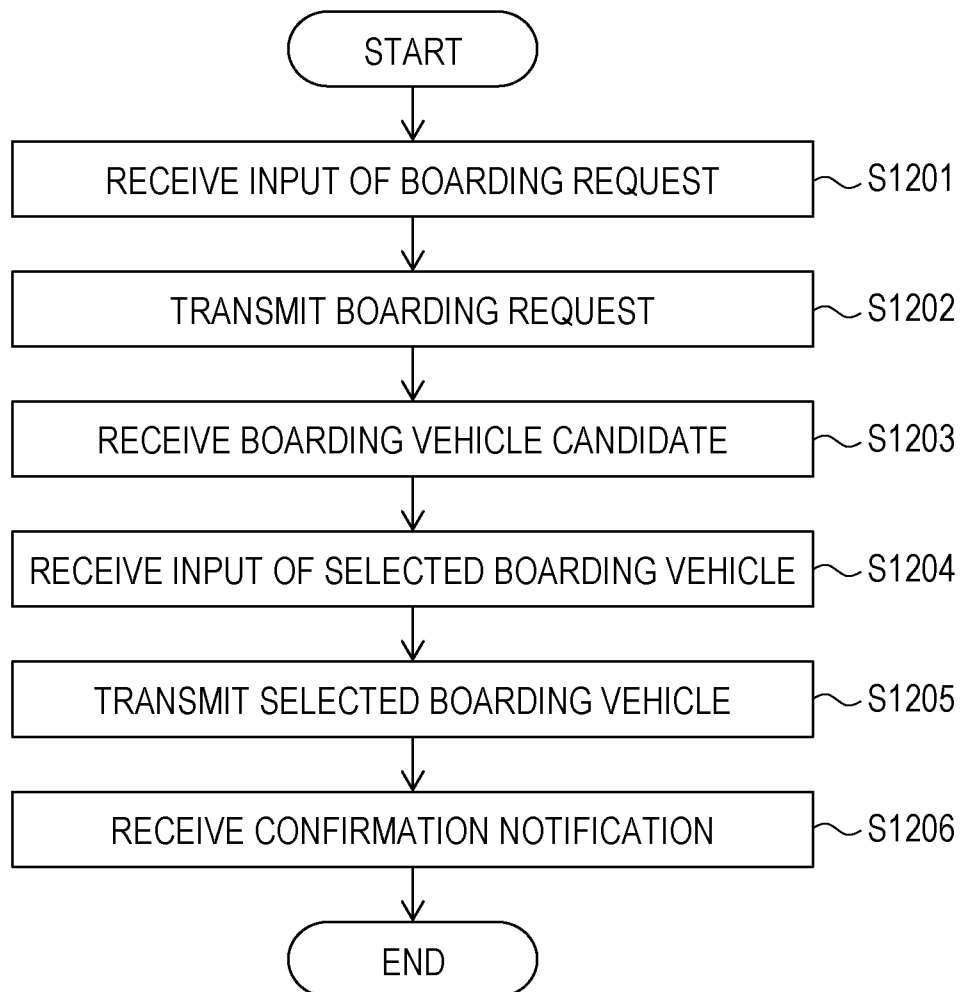


FIG. 13

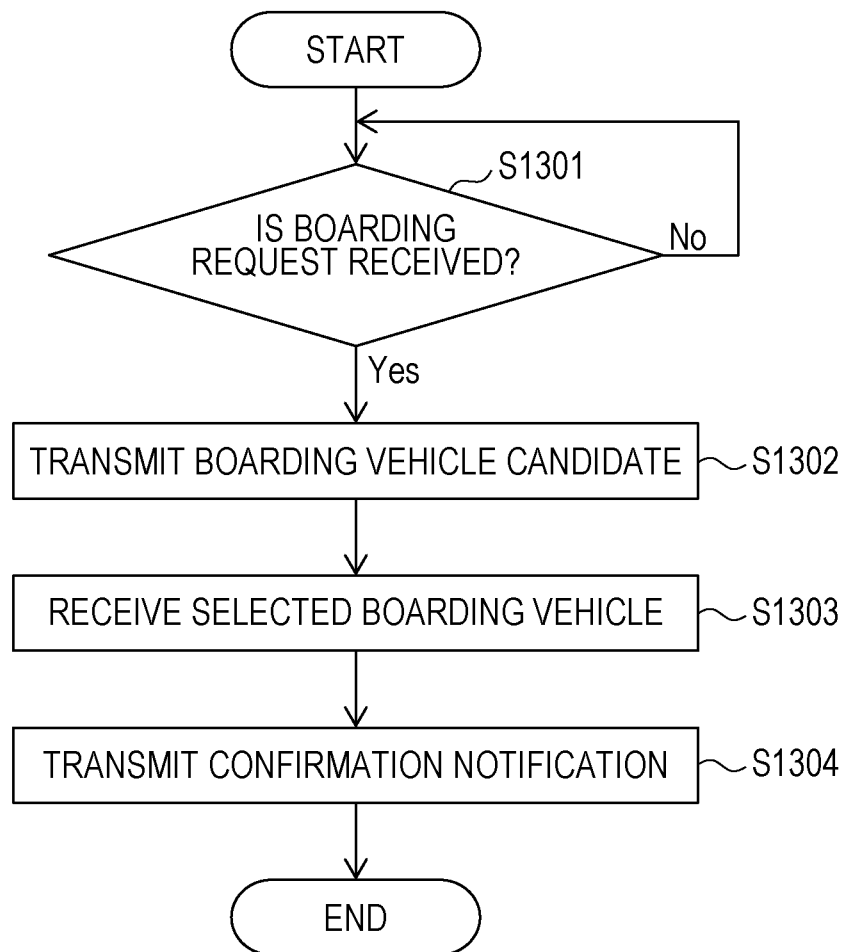


FIG. 14

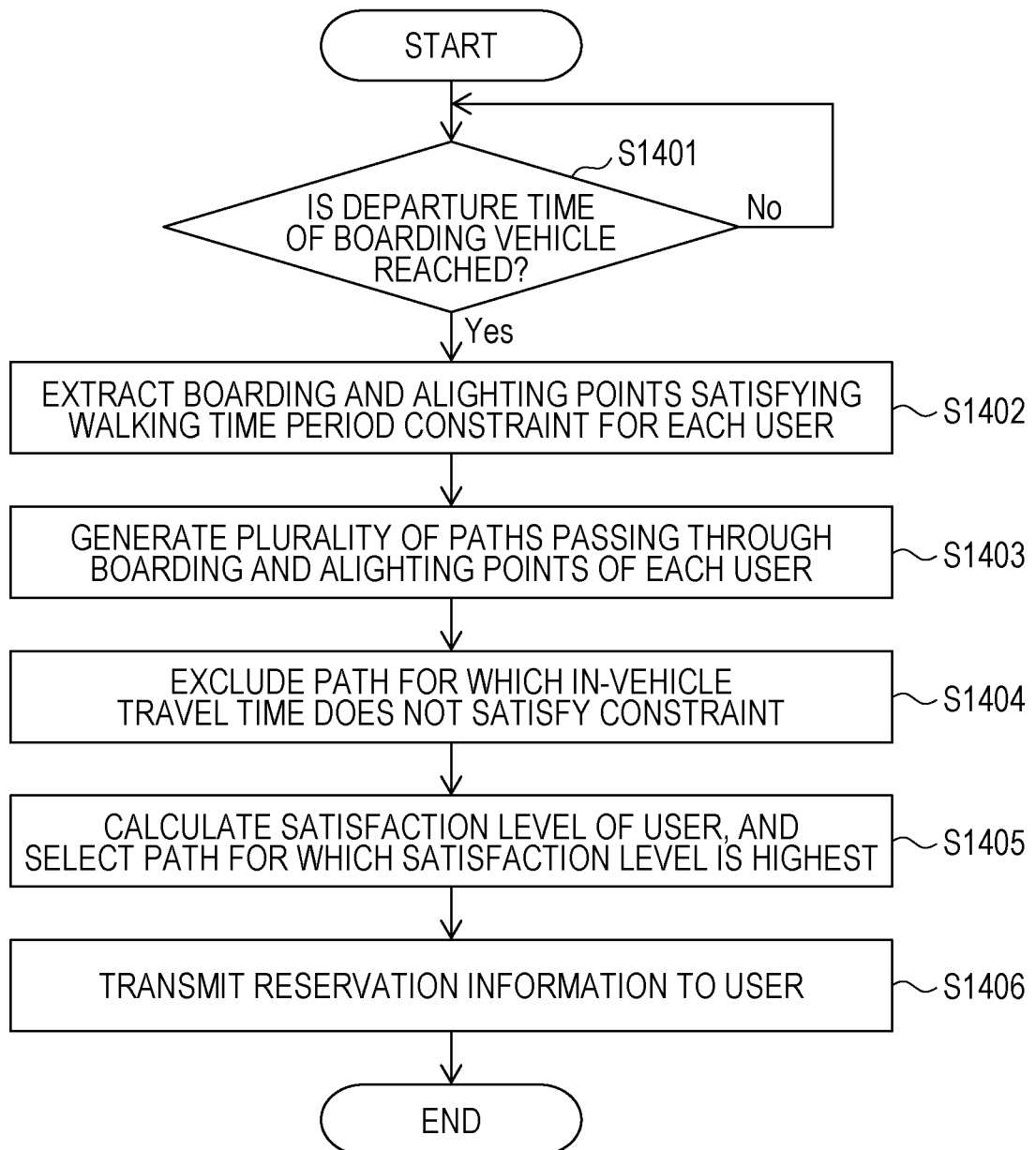


FIG. 15

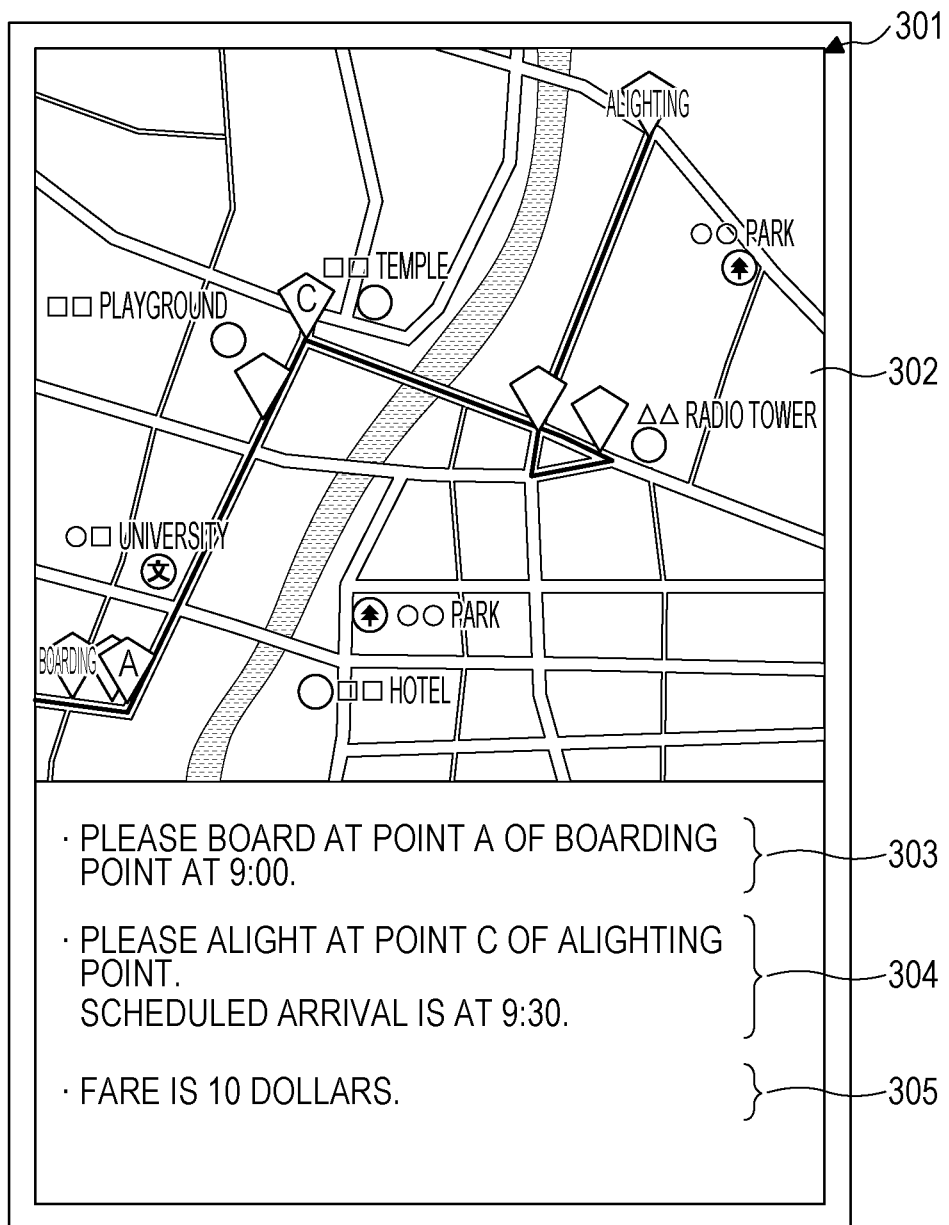


FIG. 16

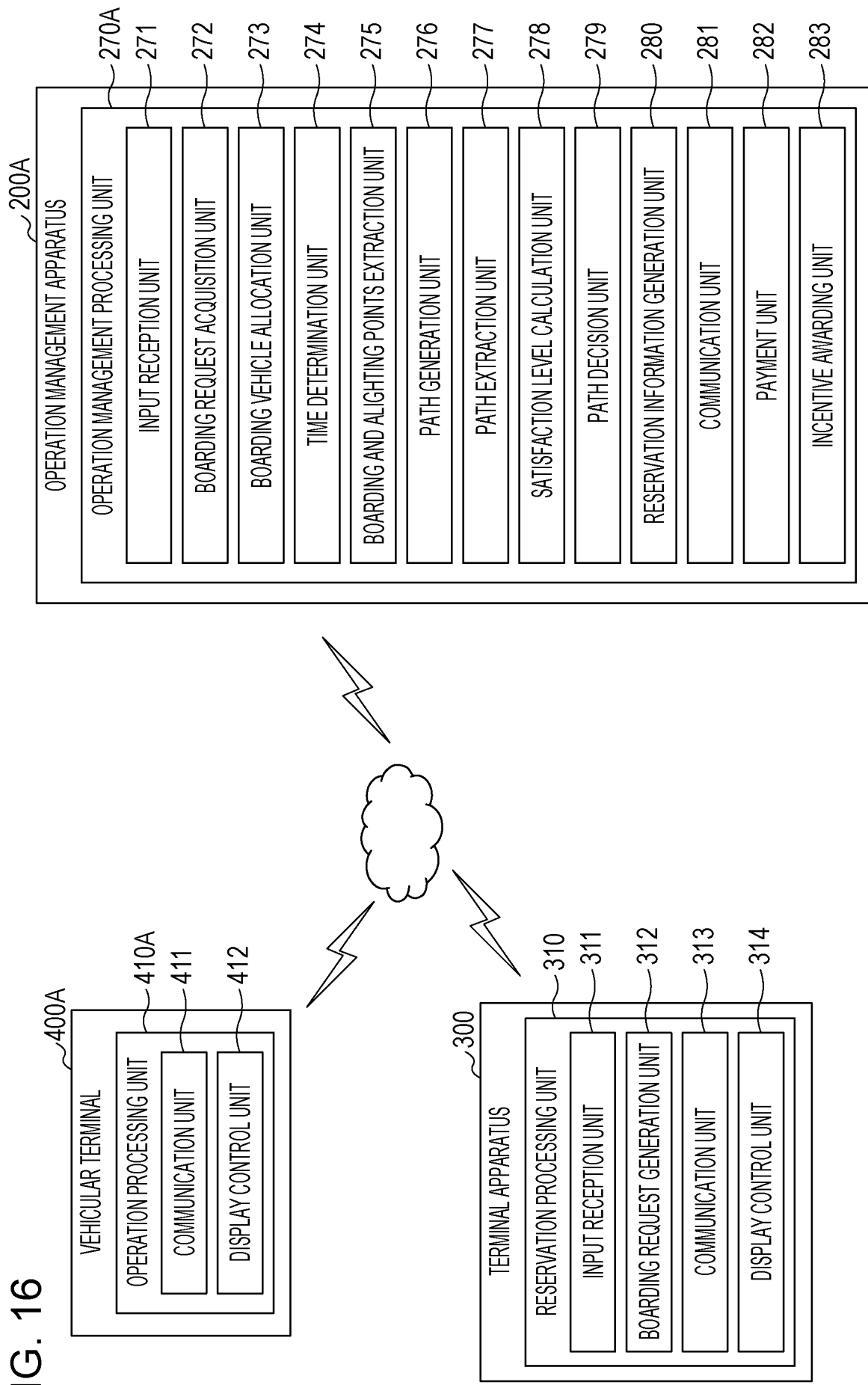


FIG. 17

260A

VEHICLE ID = 101							
USER ID	SCHEDULE ID	BOARDING POINT	ALIGHTING POINT	BOARDING TIME	ALIGHTING TIME	CHARGE (\$)	INCENTIVE
1	S ₁	(a1,a2)	(c1,c2)	9:00	9:30	10	ADD POINT
2	S ₁	(b1,b2)	(d1,d2)	9:15	9:50	15	DISCOUNT
3	S ₁	(e1,e2)	(f1,f2)	9:53	10:00	5	...
...	...	...	...	...	...	...	...

FIG. 18

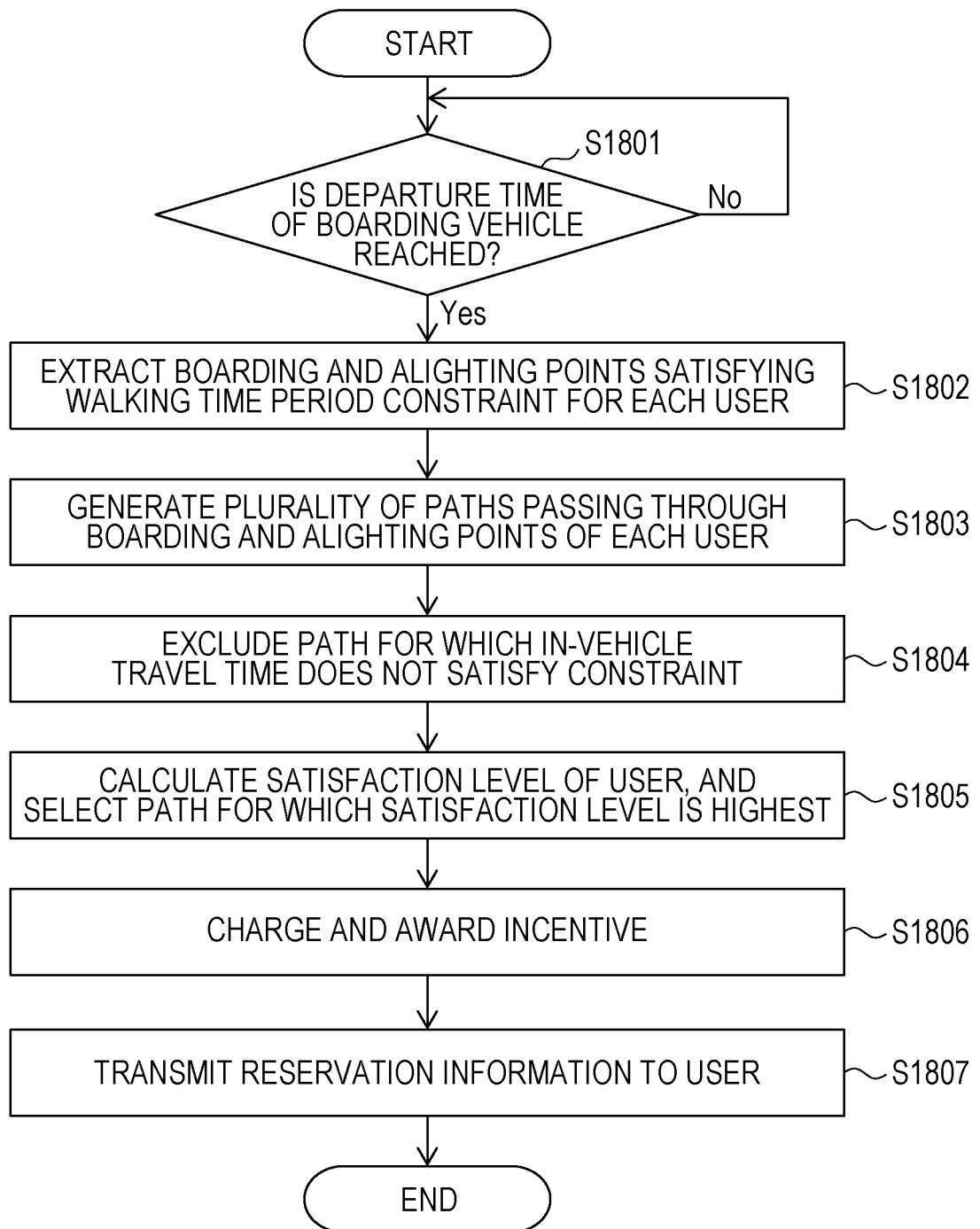


FIG. 19

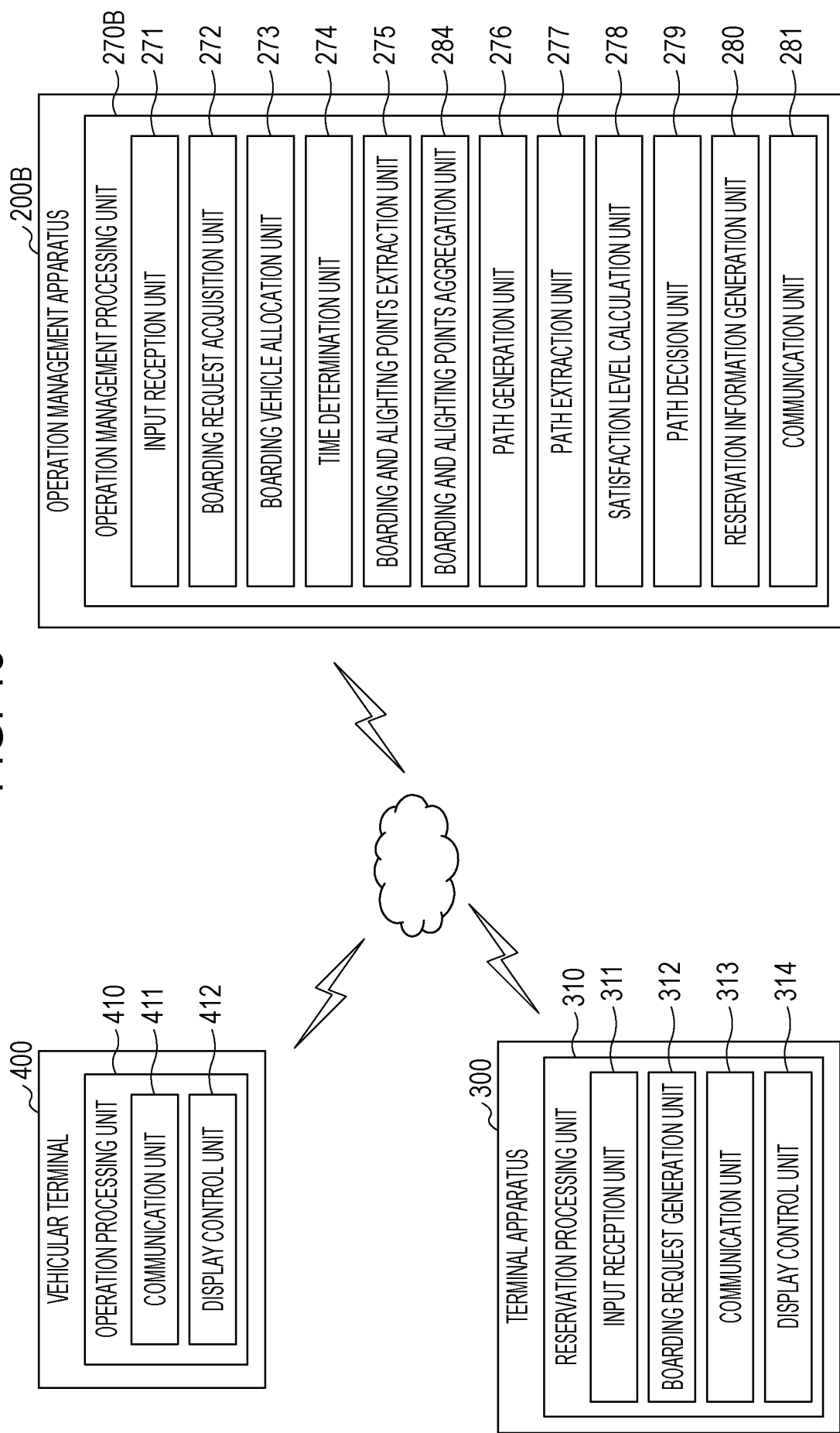


FIG. 20A

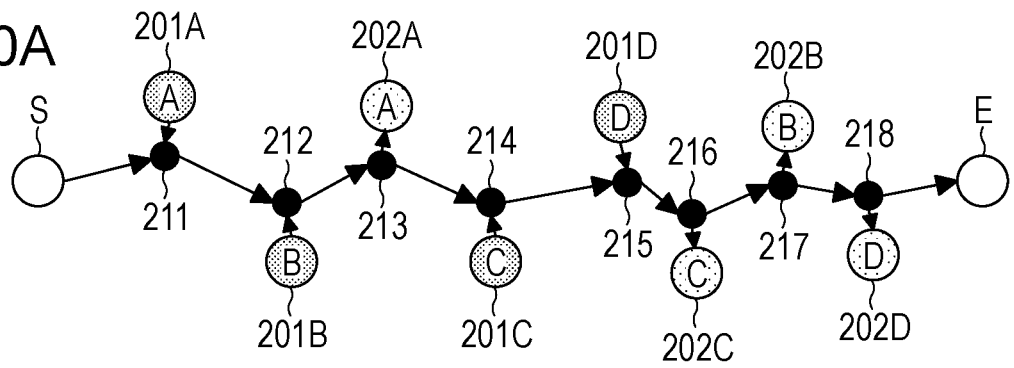


FIG. 20B

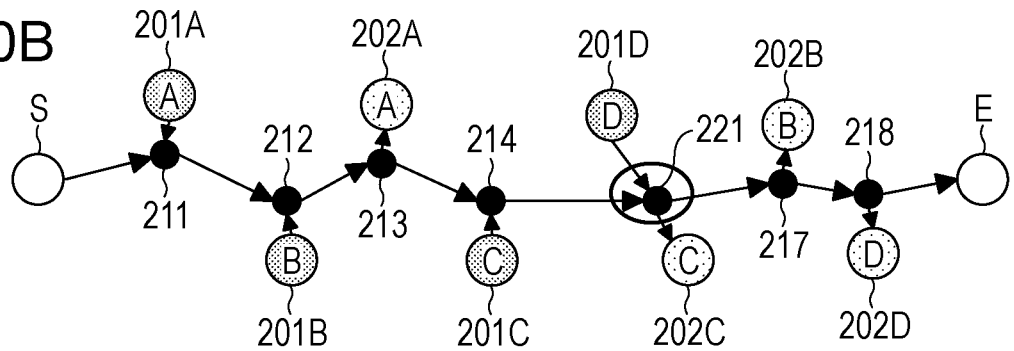


FIG. 20C

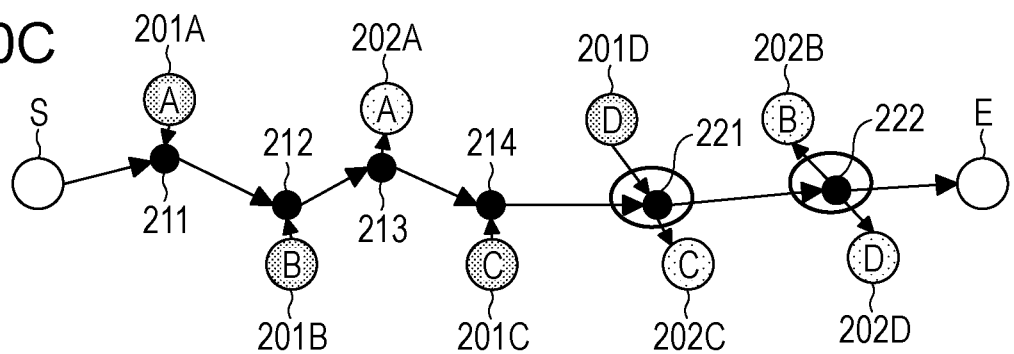


FIG. 20D

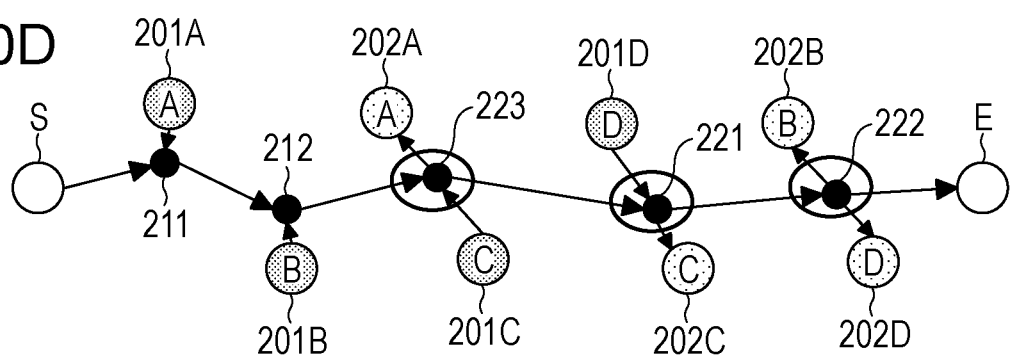


FIG. 20E

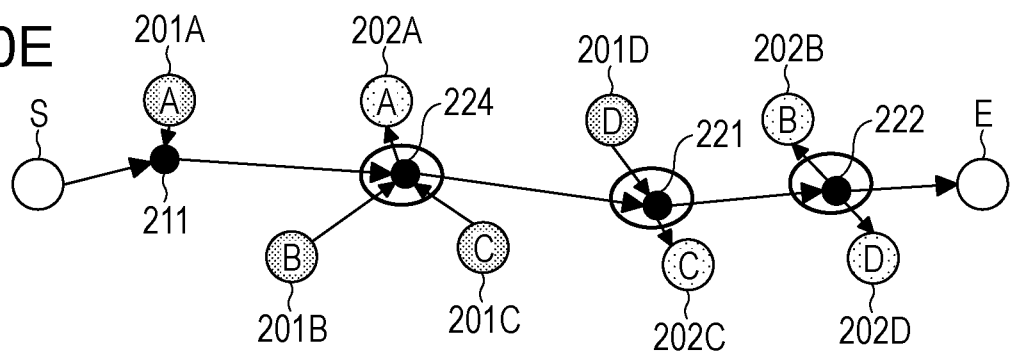


FIG. 21

