FIG. 1

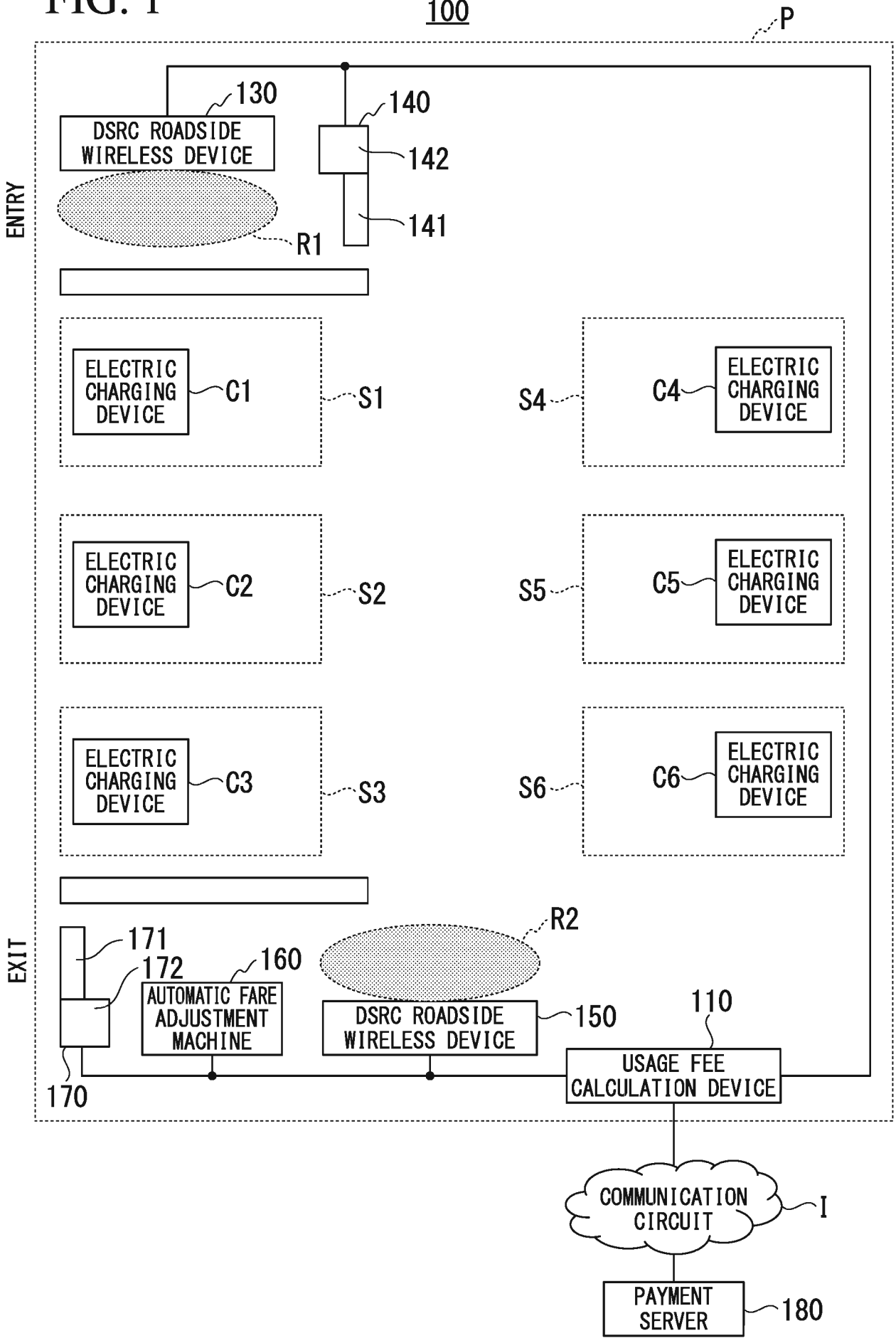

100
P
ENTRY
130
DSRC ROADSIDE WIRELESS DEVICE
140
142
141
R1
ELECTRIC CHARGING DEVICE
C1
S1
S4
C4
ELECTRIC CHARGING DEVICE
ELECTRIC CHARGING DEVICE
C2
S2
S5
C5
ELECTRIC CHARGING DEVICE
ELECTRIC CHARGING DEVICE
C3
S3
S6
C6
ELECTRIC CHARGING DEVICE
EXIT
171
172
160
AUTOMATIC FARE ADJUSTMENT MACHINE
R2
DSRC ROADSIDE WIRELESS DEVICE
150
110
USAGE FEE CALCULATION DEVICE
170
COMMUNICATION CIRCUIT
I
PAYMENT SERVER
180

FIG. 2

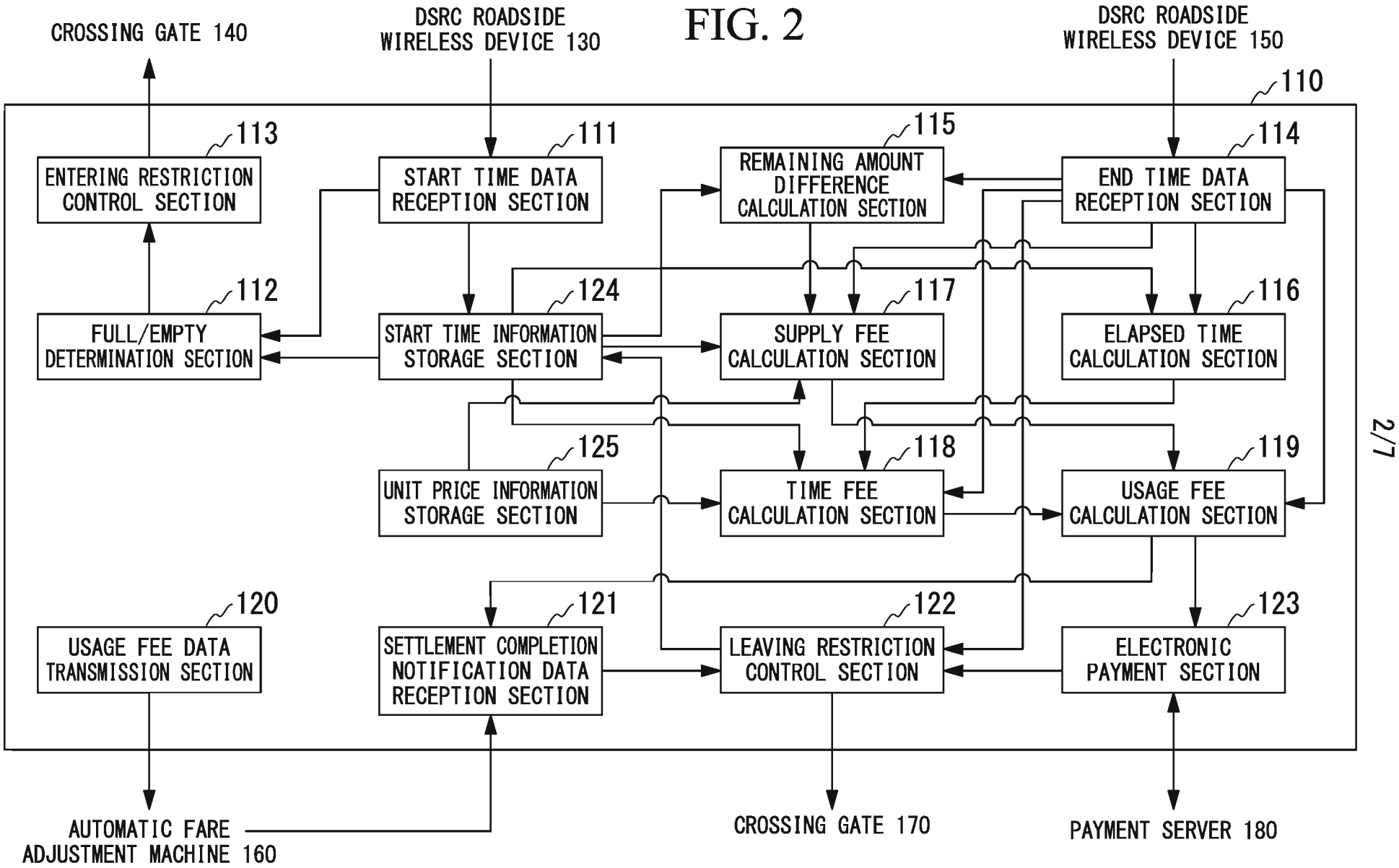

CROSSING GATE 140
DSRC ROADSIDE WIRELESS DEVICE 130
DSRC ROADSIDE WIRELESS DEVICE 150
110
113
ENTERING RESTRICTION CONTROL SECTION
111
START TIME DATA RECEPTION SECTION
115
REMAINING AMOUNT DIFFERENCE CALCULATION SECTION
114
END TIME DATA RECEPTION SECTION
112
FULL/EMPTY DETERMINATION SECTION
124
START TIME INFORMATION STORAGE SECTION
117
SUPPLY FEE CALCULATION SECTION
116
ELAPSED TIME CALCULATION SECTION
125
UNIT PRICE INFORMATION STORAGE SECTION
118
TIME FEE CALCULATION SECTION
119
USAGE FEE CALCULATION SECTION
120
USAGE FEE DATA TRANSMISSION SECTION
121
SETTLEMENT COMPLETION NOTIFICATION DATA RECEPTION SECTION
122
LEAVING RESTRICTION CONTROL SECTION
123
ELECTRONIC PAYMENT SECTION
AUTOMATIC FARE ADJUSTMENT MACHINE 160
CROSSING GATE 170
PAYMENT SERVER 180

FIG. 3

124

ONBOARD DEVICE ID	REMAINING BATTERY AMOUNT VALUE (kWh)	ENTERING TIME
M196404	15	21:47
M197609	28	22:34
M198007	7	23:30
⋮	⋮	⋮

FIG. 4

125

	SUNDAY		MONDAY		TUESDAY		...	
	UNIT PRICE FOR ELECTRIC CHARGING (yen/kWh)	UNIT PRICE PER TIME (yen/h)	UNIT PRICE FOR ELECTRIC CHARGING (yen/kWh)	UNIT PRICE PER TIME (yen/h)	UNIT PRICE FOR ELECTRIC CHARGING (yen/kWh)	UNIT PRICE PER TIME (yen/h)	...	...
22:00 ~23:00	24	330	25	300	25	300	...	...
23:00 ~0:00	24	330	25	300	25	300	...	...
0:00 ~1:00	10	110	11	100	11	100	...	...
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 5

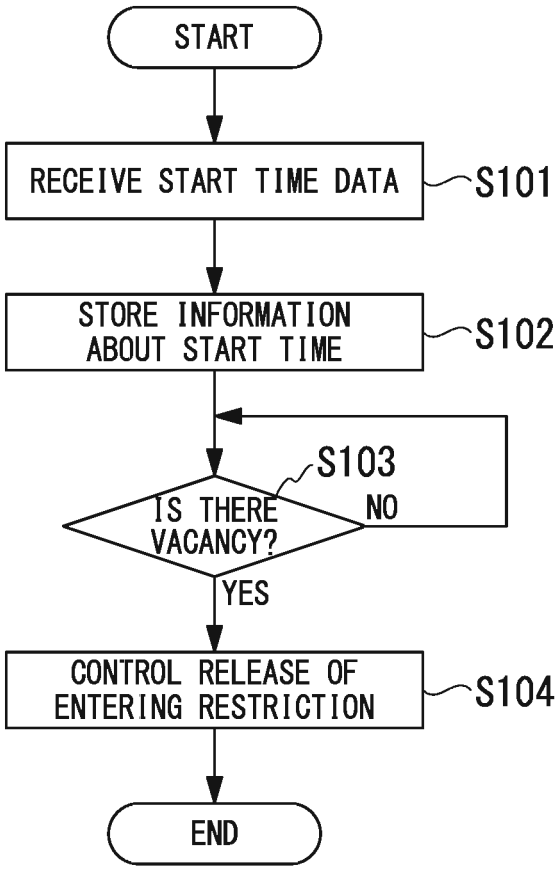

START
RECEIVE START TIME DATA
S101
STORE INFORMATION ABOUT START TIME
S102
S103
IS THERE VACANCY?
NO
YES
CONTROL RELEASE OF ENTERING RESTRICTION
S104
END

FIG. 6

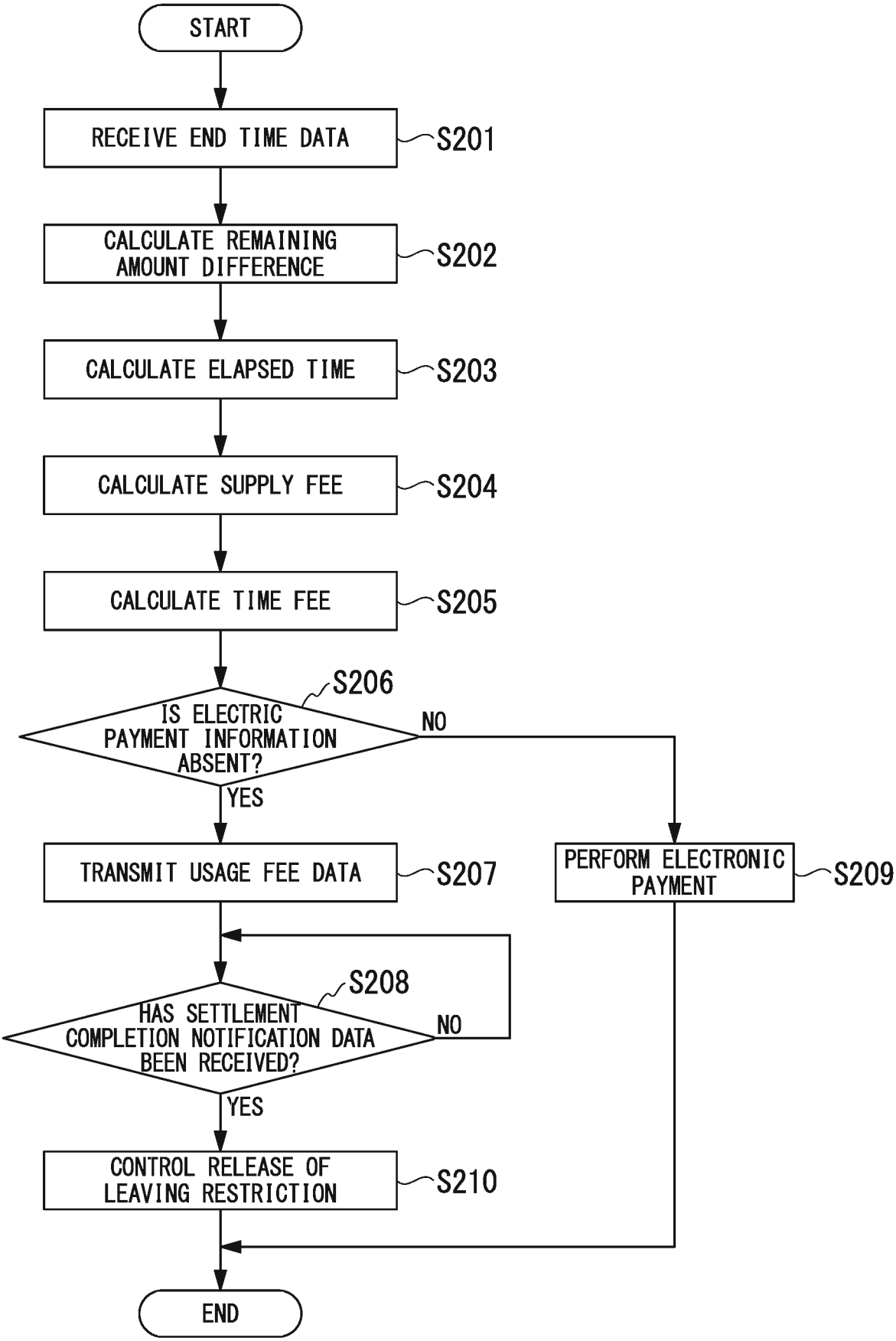
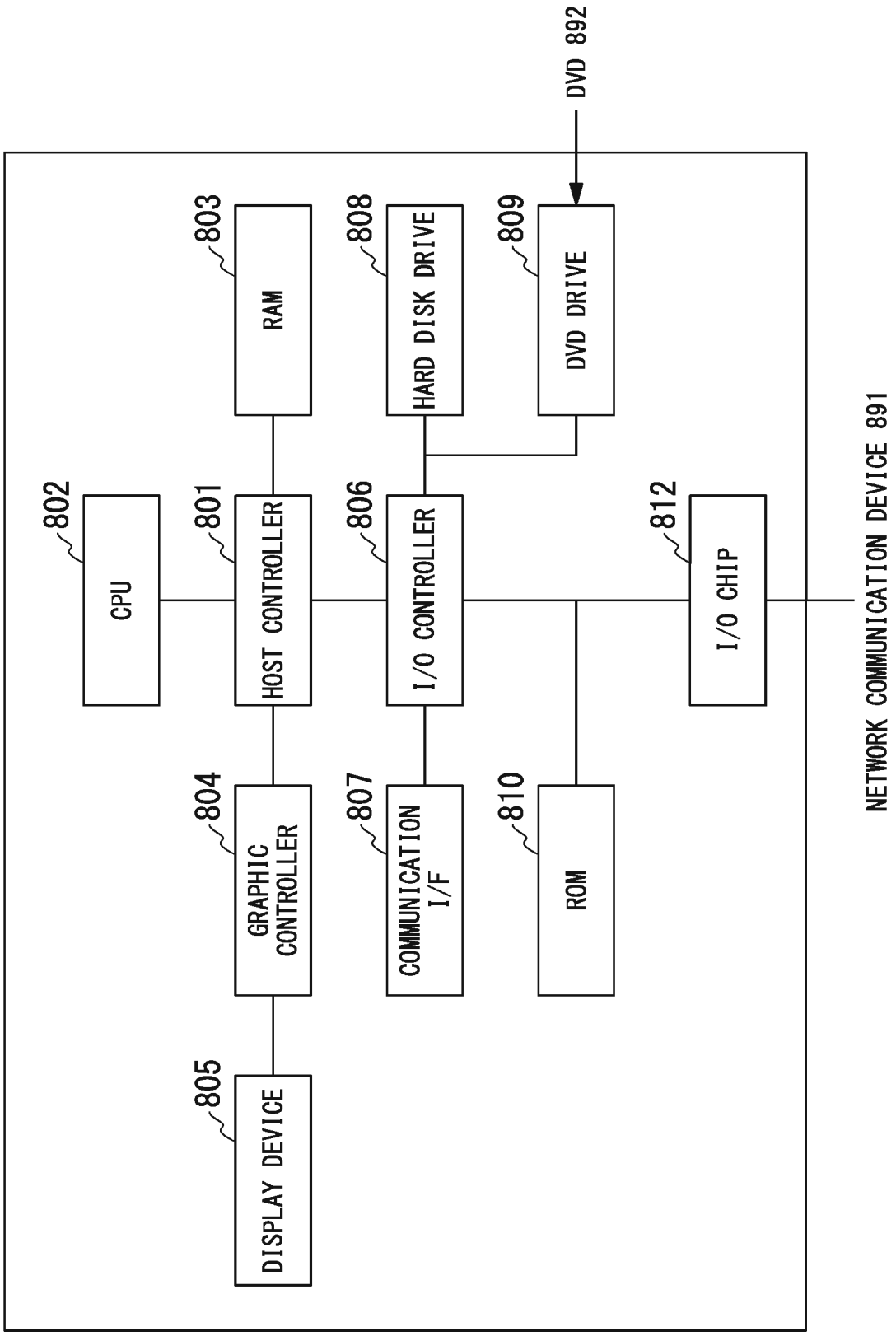

START
RECEIVE END TIME DATA
S201
CALCULATE REMAINING AMOUNT DIFFERENCE
S202
CALCULATE ELAPSED TIME
S203
CALCULATE SUPPLY FEE
S204
CALCULATE TIME FEE
S205
S206
IS ELECTRIC PAYMENT INFORMATION ABSENT?
NO
YES
TRANSMIT USAGE FEE DATA
S207
PERFORM ELECTRONIC PAYMENT
S209
S208
HAS SETTLEMENT COMPLETION NOTIFICATION DATA BEEN RECEIVED?
NO
YES
CONTROL RELEASE OF LEAVING RESTRICTION
S210
END

FIG. 7


DVD 892
803
RAM
808
HARD DISK DRIVE
809
DVD DRIVE
802
CPU
801
HOST CONTROLLER
806
I/O CONTROLLER
812
I/O CHIP
NETWORK COMMUNICATION DEVICE 891
804
GRAPHIC CONTROLLER
807
COMMUNICATION I/F
810
ROM
805
DISPLAY DEVICE