FIG. 1

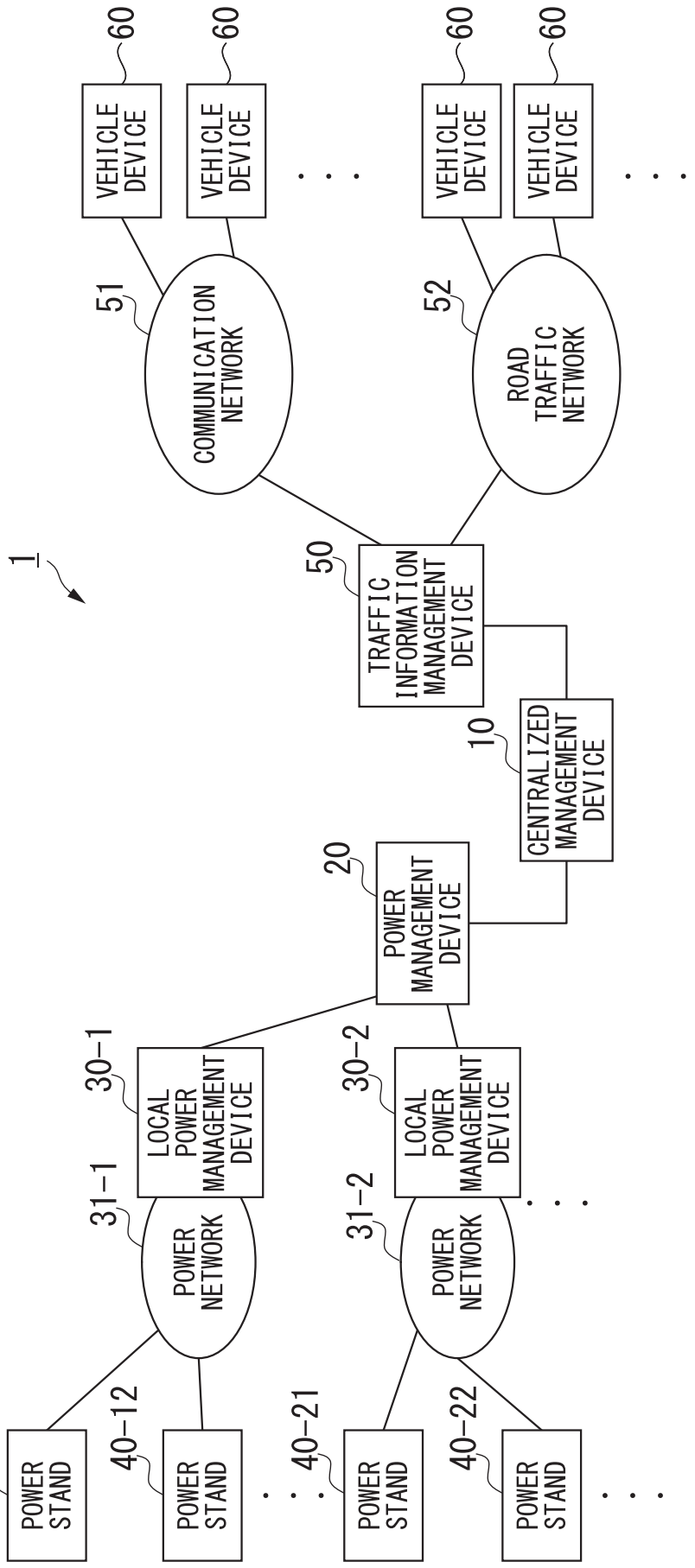

1
10
CENTRALIZED MANAGEMENT DEVICE
20
POWER MANAGEMENT DEVICE
30-1
LOCAL POWER MANAGEMENT DEVICE
30-2
LOCAL POWER MANAGEMENT DEVICE
31-1
POWER NETWORK
31-2
POWER NETWORK
40-11
POWER STAND
40-12
POWER STAND
40-21
POWER STAND
40-22
POWER STAND
50
TRAFFIC INFORMATION MANAGEMENT DEVICE
51
COMMUNICATION NETWORK
52
ROAD TRAFFIC NETWORK
60
VEHICLE DEVICE
60
VEHICLE DEVICE
60
VEHICLE DEVICE
60
VEHICLE DEVICE

FIG. 2

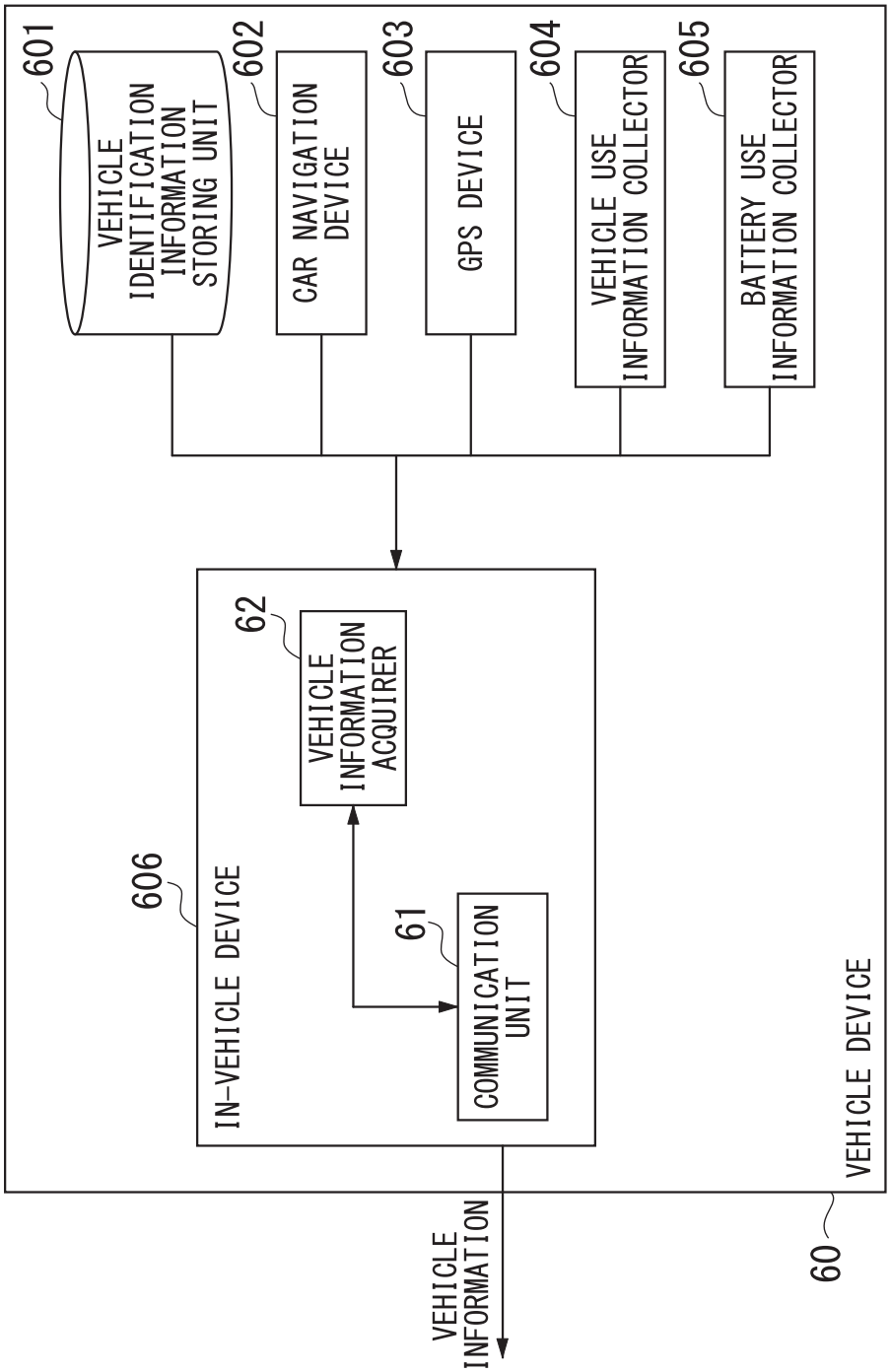

601
VEHICLE IDENTIFICATION INFORMATION STORING UNIT
602
CAR NAVIGATION DEVICE
603
GPS DEVICE
604
VEHICLE USE INFORMATION COLLECTOR
605
BATTERY USE INFORMATION COLLECTOR
606
IN-VEHICLE DEVICE
62
VEHICLE INFORMATION ACQUIRER
61
COMMUNICATION UNIT
VEHICLE INFORMATION
60
VEHICLE DEVICE

FIG. 3

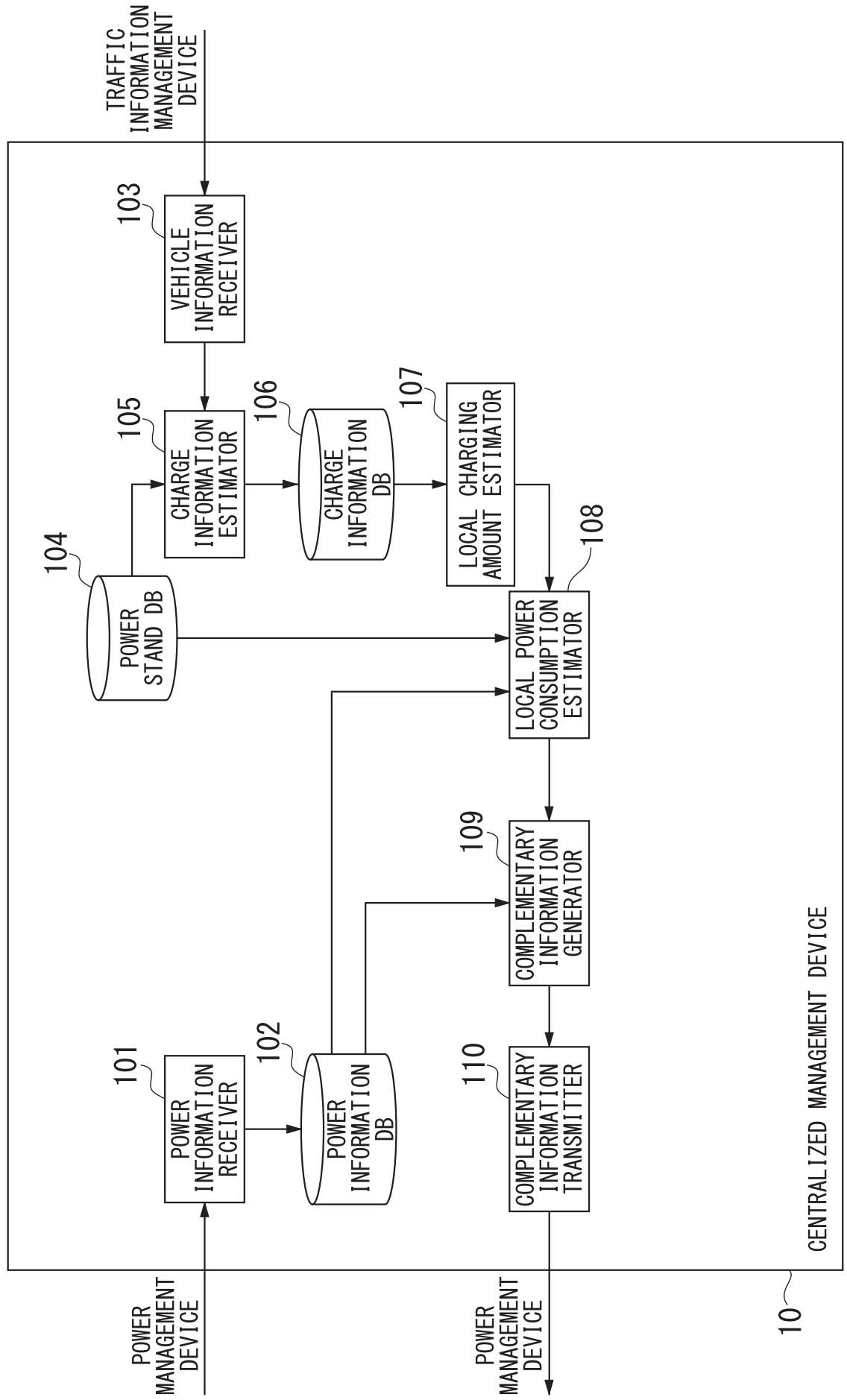

TRAFFIC INFORMATION MANAGEMENT DEVICE
VEHICLE INFORMATION RECEIVER
103
CHARGE INFORMATION ESTIMATOR
105
CHARGE INFORMATION DB
106
LOCAL CHARGING AMOUNT ESTIMATOR
107
POWER STAND DB
104
LOCAL POWER CONSUMPTION ESTIMATOR
108
COMPLEMENTARY INFORMATION GENERATOR
109
POWER INFORMATION RECEIVER
101
POWER INFORMATION DB
102
COMPLEMENTARY INFORMATION TRANSMITTER
110
POWER MANAGEMENT DEVICE
POWER MANAGEMENT DEVICE
CENTRALIZED MANAGEMENT DEVICE
10

FIG. 4A

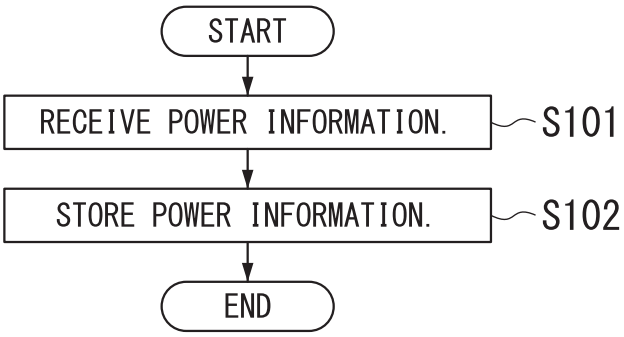


FIG. 4B

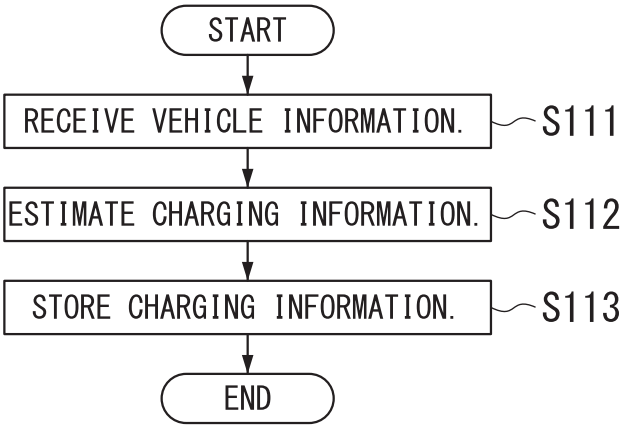


FIG. 4C

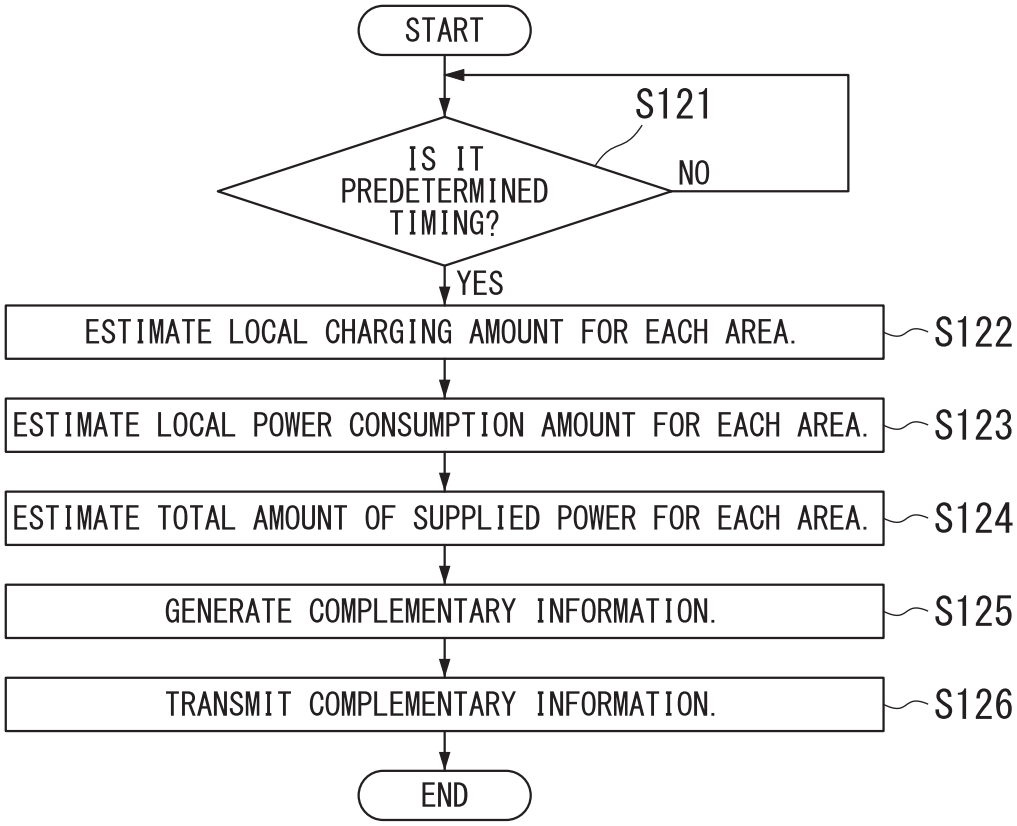


FIG. 5

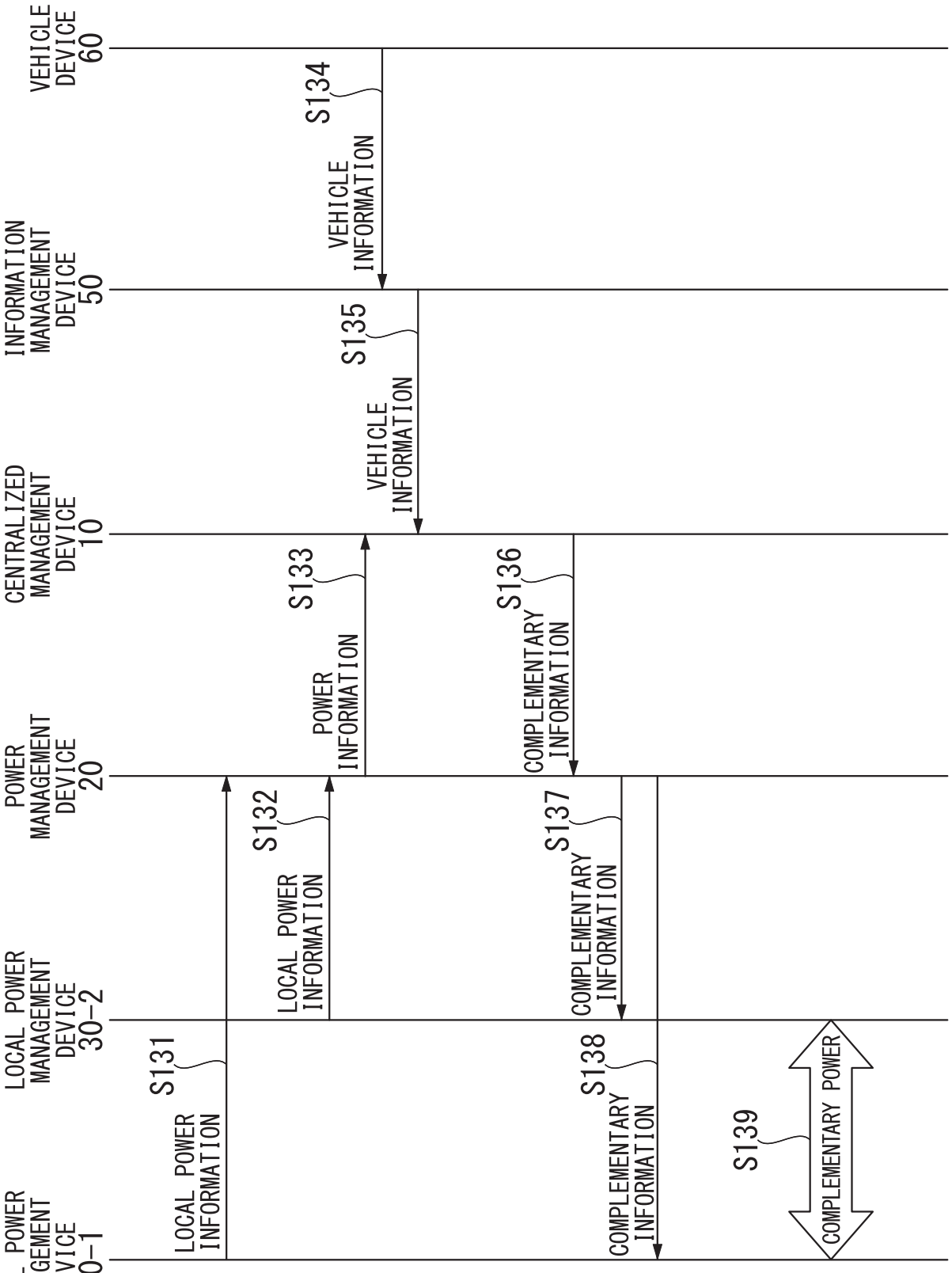

LOCAL POWER MANAGEMENT DEVICE 30-1
LOCAL POWER MANAGEMENT DEVICE 30-2
POWER MANAGEMENT DEVICE 20
CENTRALIZED MANAGEMENT DEVICE 10
TRAFFIC INFORMATION MANAGEMENT DEVICE 50
VEHICLE DEVICE 60
S131
LOCAL POWER INFORMATION
S132
LOCAL POWER INFORMATION
S133
POWER INFORMATION
S134
VEHICLE INFORMATION
S135
VEHICLE INFORMATION
S136
COMPLEMENTARY INFORMATION
S137
COMPLEMENTARY INFORMATION
S138
COMPLEMENTARY INFORMATION
S139
COMPLEMENTARY POWER

FIG. 6

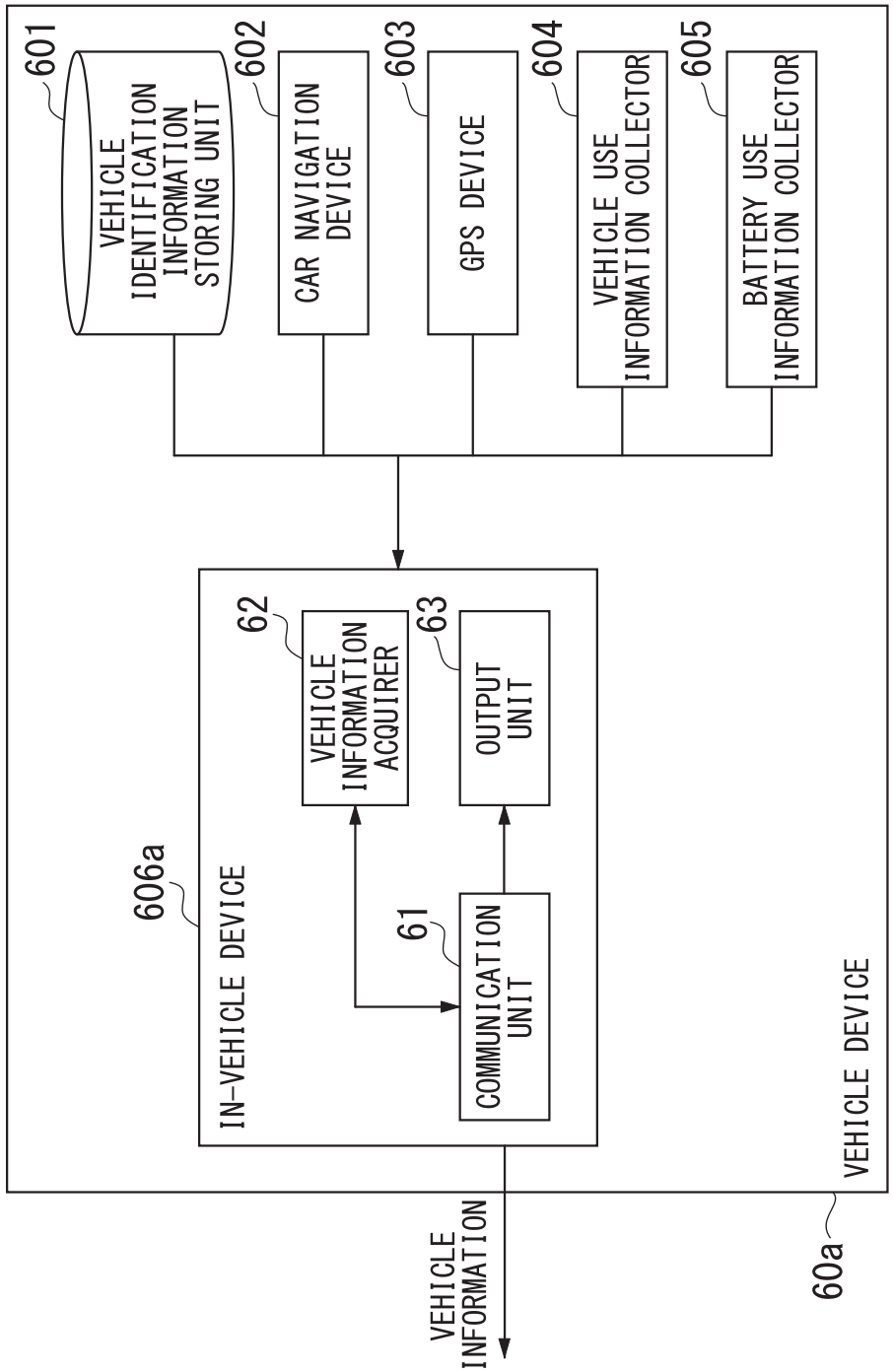

601
VEHICLE IDENTIFICATION INFORMATION STORING UNIT
602
CAR NAVIGATION DEVICE
603
GPS DEVICE
604
VEHICLE USE INFORMATION COLLECTOR
605
BATTERY USE INFORMATION COLLECTOR
606a
IN-VEHICLE DEVICE
62
VEHICLE INFORMATION ACQUIRER
63
OUTPUT UNIT
61
COMMUNICATION UNIT
VEHICLE DEVICE
60a
VEHICLE INFORMATION

FIG. 7

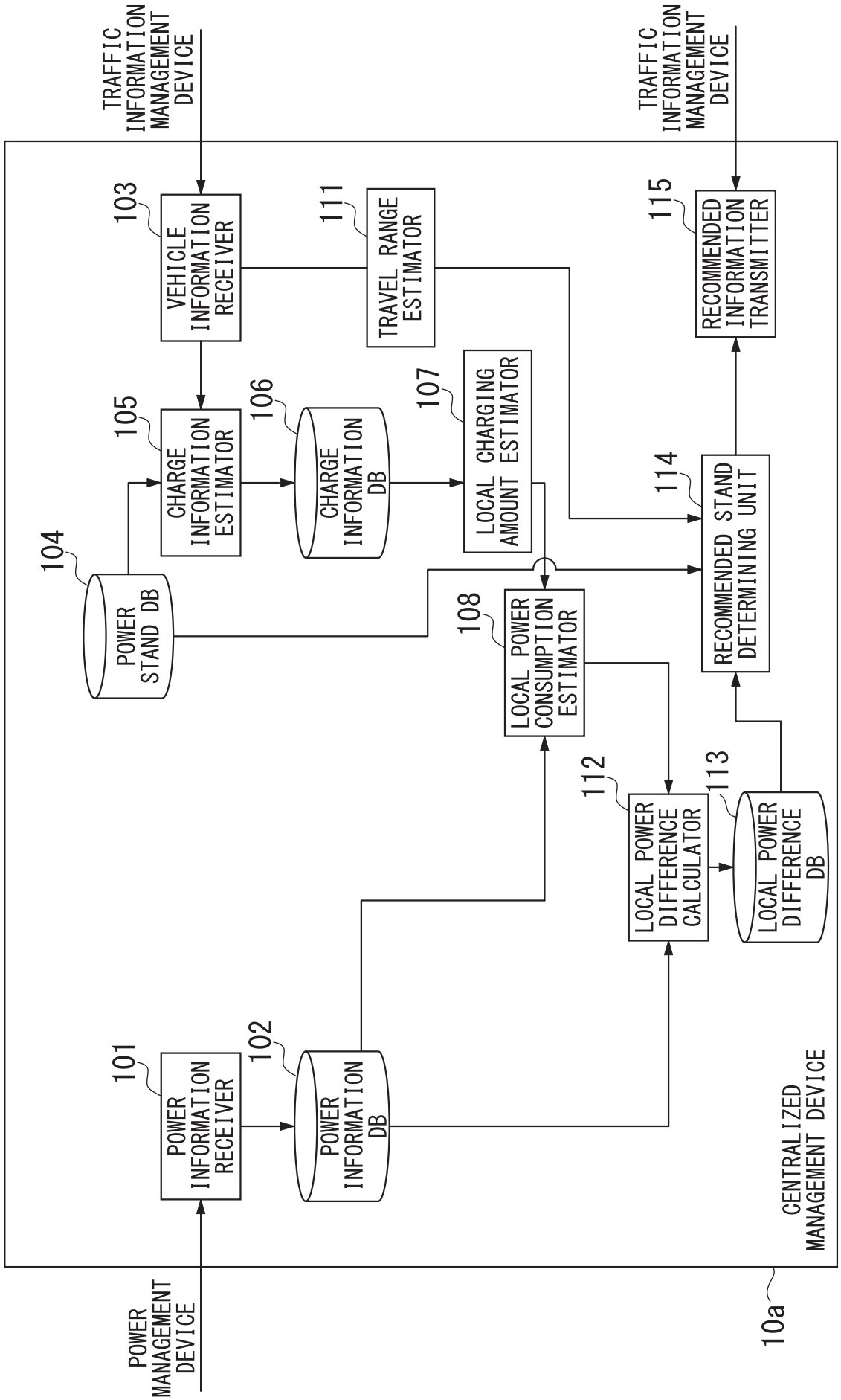

TRAFFIC INFORMATION MANAGEMENT DEVICE
TRAFFIC INFORMATION MANAGEMENT DEVICE
POWER MANAGEMENT DEVICE
CENTRALIZED MANAGEMENT DEVICE
10a
101
POWER INFORMATION RECEIVER
102
POWER INFORMATION DB
103
VEHICLE INFORMATION RECEIVER
104
POWER STAND DB
105
CHARGE INFORMATION ESTIMATOR
106
CHARGE INFORMATION DB
107
LOCAL CHARGING AMOUNT ESTIMATOR
108
LOCAL POWER CONSUMPTION ESTIMATOR
111
TRAVEL RANGE ESTIMATOR
112
LOCAL POWER DIFFERENCE CALCULATOR
113
LOCAL POWER DIFFERENCE DB
114
RECOMMENDED STAND DETERMINING UNIT
115
RECOMMENDED INFORMATION TRANSMITTER

FIG. 8A

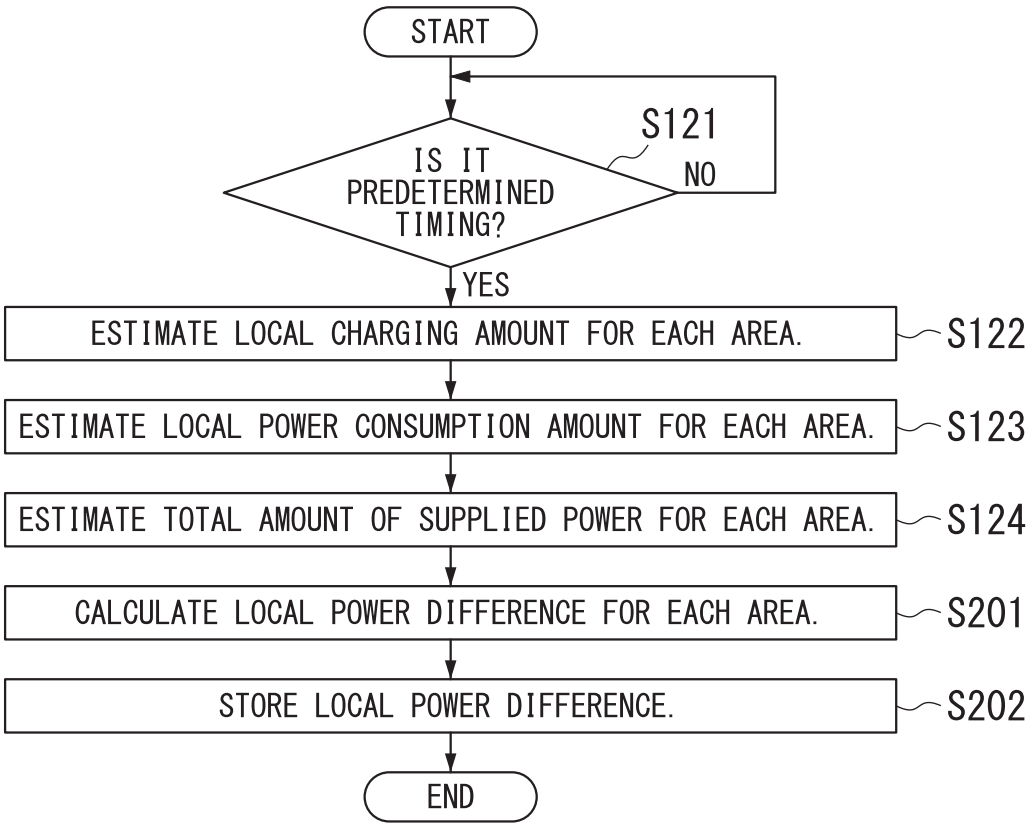

START
S121
IS IT PREDETERMINED TIMING?
NO
YES
ESTIMATE LOCAL CHARGING AMOUNT FOR EACH AREA.
S122
ESTIMATE LOCAL POWER CONSUMPTION AMOUNT FOR EACH AREA.
S123
ESTIMATE TOTAL AMOUNT OF SUPPLIED POWER FOR EACH AREA.
S124
CALCULATE LOCAL POWER DIFFERENCE FOR EACH AREA.
S201
STORE LOCAL POWER DIFFERENCE.
S202
END

FIG. 8B

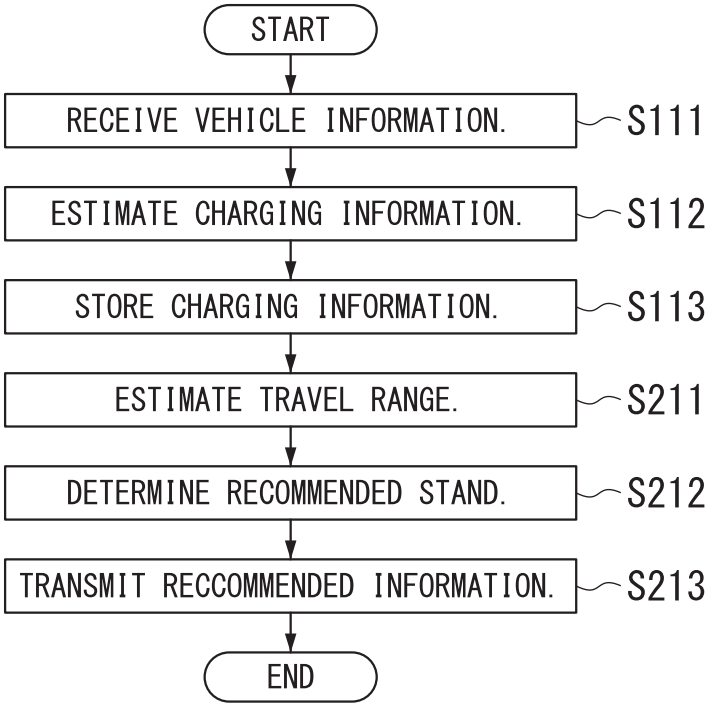

START
RECEIVE VEHICLE INFORMATION.
S111
ESTIMATE CHARGING INFORMATION.
S112
STORE CHARGING INFORMATION.
S113
ESTIMATE TRAVEL RANGE.
S211
DETERMINE RECOMMENDED STAND.
S212
TRANSMIT RECCOMMENDED INFORMATION.
S213
END

FIG. 9

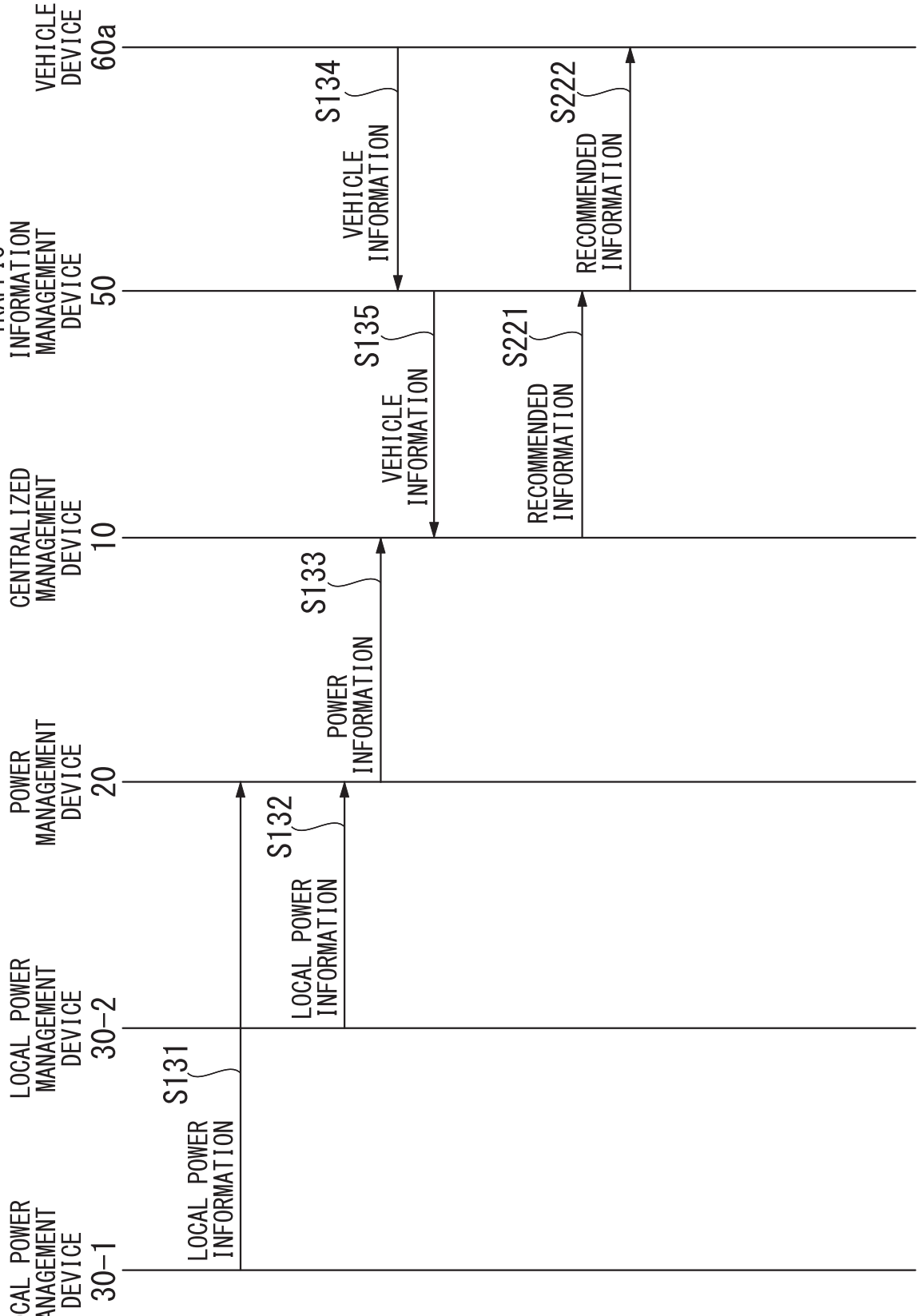
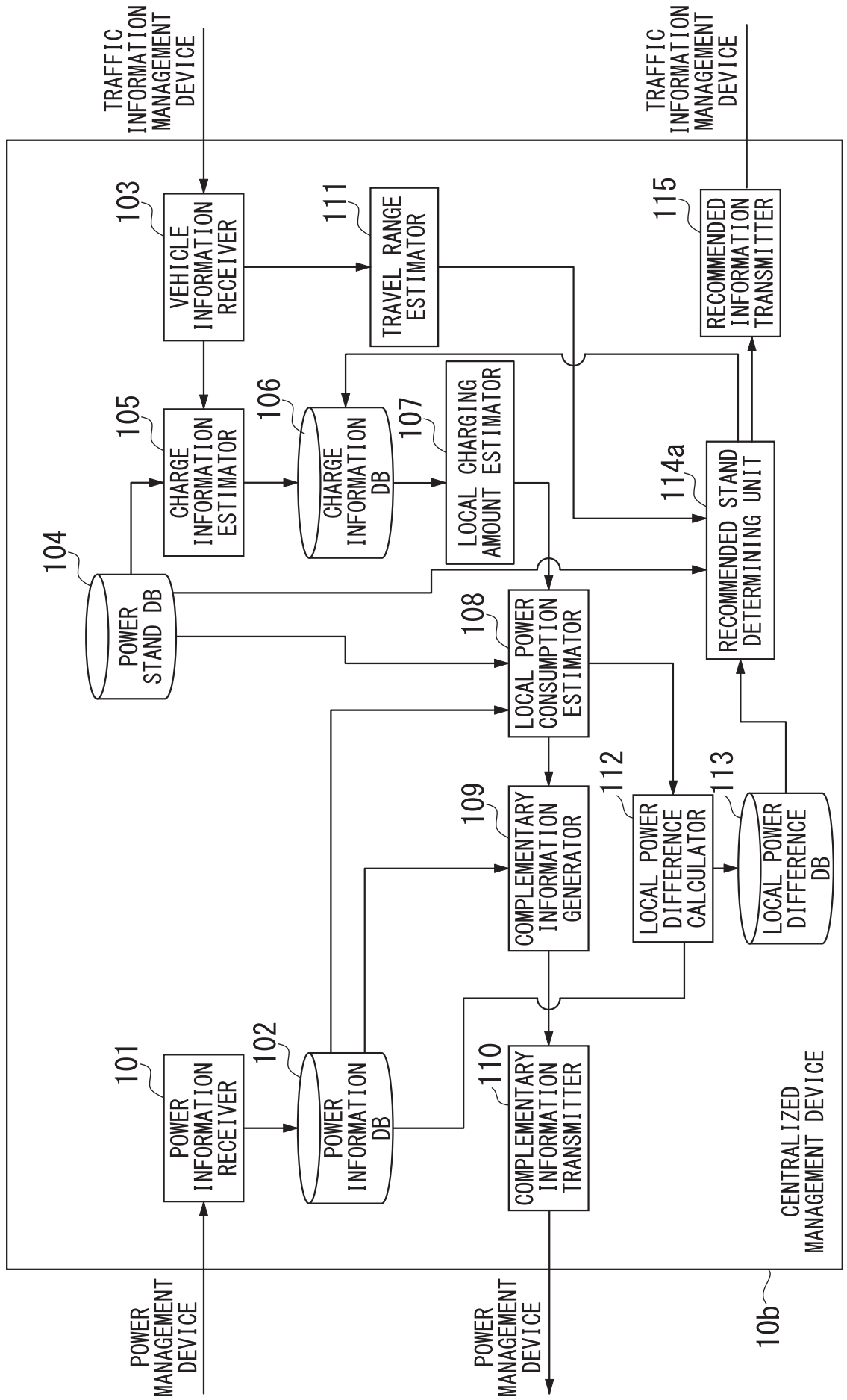

LOCAL POWER MANAGEMENT DEVICE 30-1
LOCAL POWER MANAGEMENT DEVICE 30-2
POWER MANAGEMENT DEVICE 20
CENTRALIZED MANAGEMENT DEVICE 10
TRAFFIC INFORMATION MANAGEMENT DEVICE 50
VEHICLE DEVICE 60a
S131
LOCAL POWER INFORMATION
S132
LOCAL POWER INFORMATION
S133
POWER INFORMATION
S134
VEHICLE INFORMATION
S135
VEHICLE INFORMATION
S221
RECOMMENDED INFORMATION
S222
RECOMMENDED INFORMATION

FIG. 10


TRAFFIC INFORMATION MANAGEMENT DEVICE
TRAFFIC INFORMATION MANAGEMENT DEVICE
VEHICLE INFORMATION RECEIVER
103
TRAVEL RANGE ESTIMATOR
111
RECOMMENDED INFORMATION TRANSMITTER
115
CHARGE INFORMATION ESTIMATOR
105
CHARGE INFORMATION DB
106
LOCAL CHARGING AMOUNT ESTIMATOR
107
RECOMMENDED STAND DETERMINING UNIT
114a
POWER STAND DB
104
LOCAL POWER CONSUMPTION ESTIMATOR
108
COMPLEMENTARY INFORMATION GENERATOR
109
LOCAL POWER DIFFERENCE CALCULATOR
112
LOCAL POWER DIFFERENCE DB
113
POWER INFORMATION RECEIVER
101
POWER INFORMATION DB
102
COMPLEMENTARY INFORMATION TRANSMITTER
110
CENTRALIZED MANAGEMENT DEVICE
10b
POWER MANAGEMENT DEVICE
POWER MANAGEMENT DEVICE