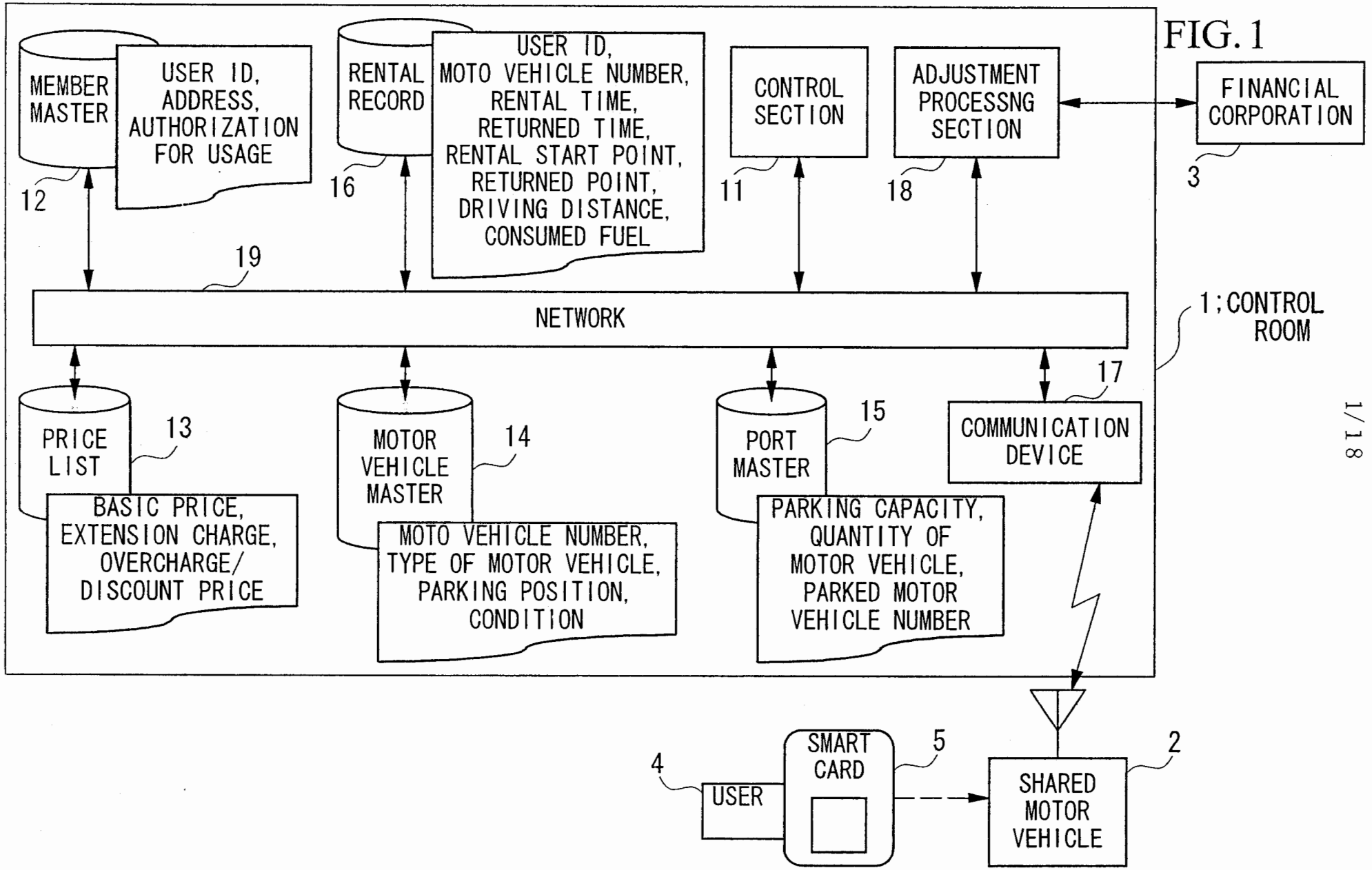
FIG. 1



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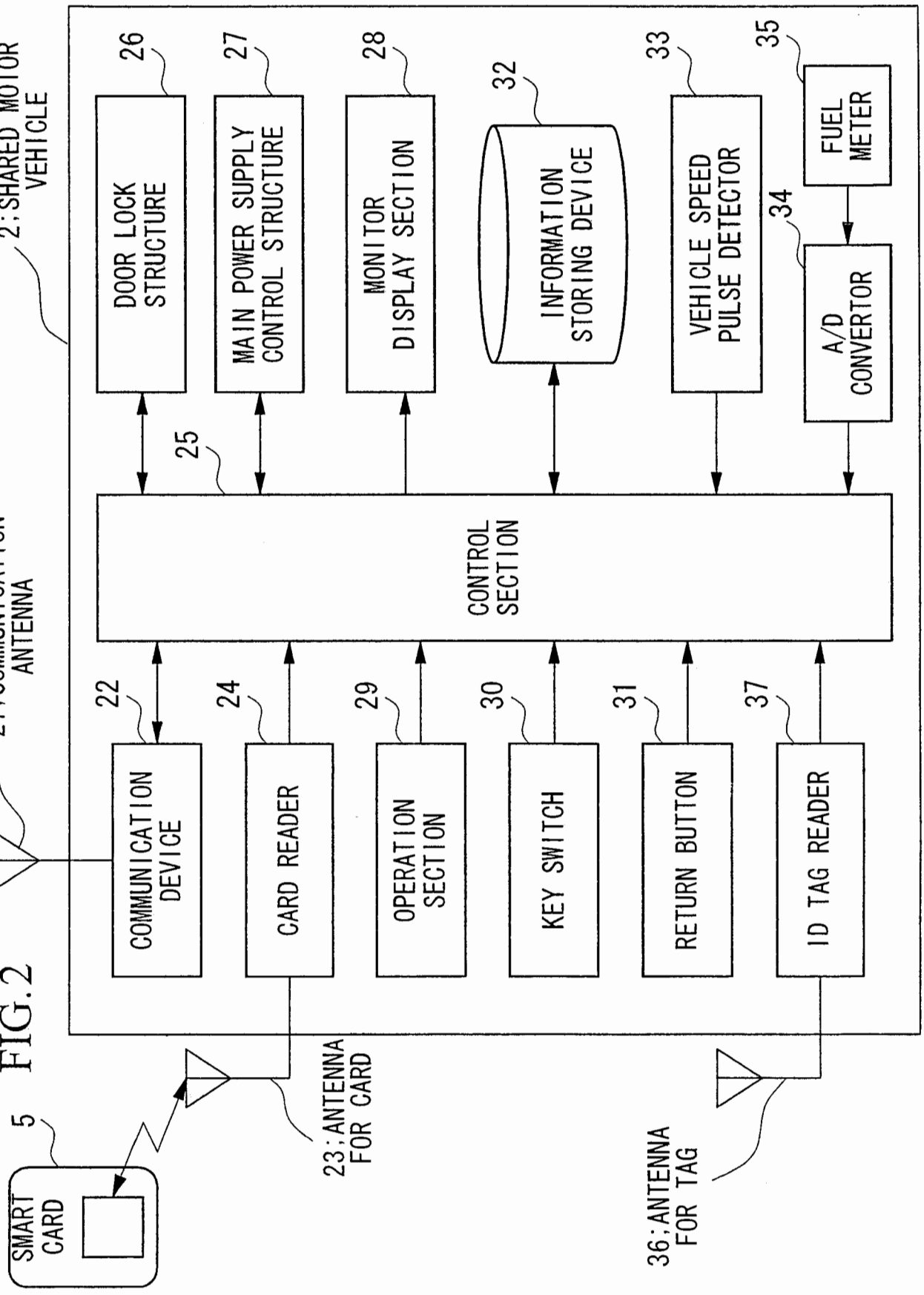

2;SHARED MOTOR VEHICLE
21;COMMUNICATION ANTENNA
DOOR LOCK STRUCTURE
26
MAIN POWER SUPPLY CONTROL STRUCTURE
27
MONITOR DISPLAY SECTION
28
INFORMATION STORING DEVICE
32
VEHICLE SPEED PULSE DETECTOR
33
FUEL METER
35
A/D CONVERTOR
34
25
CONTROL SECTION
22
COMMUNICATION DEVICE
24
CARD READER
29
OPERATION SECTION
30
KEY SWITCH
31
RETURN BUTTON
37
ID TAG READER
5
SMART CARD
23;ANTENNA FOR CARD
36;ANTENNA FOR TAG

FIG.2

FIG.3

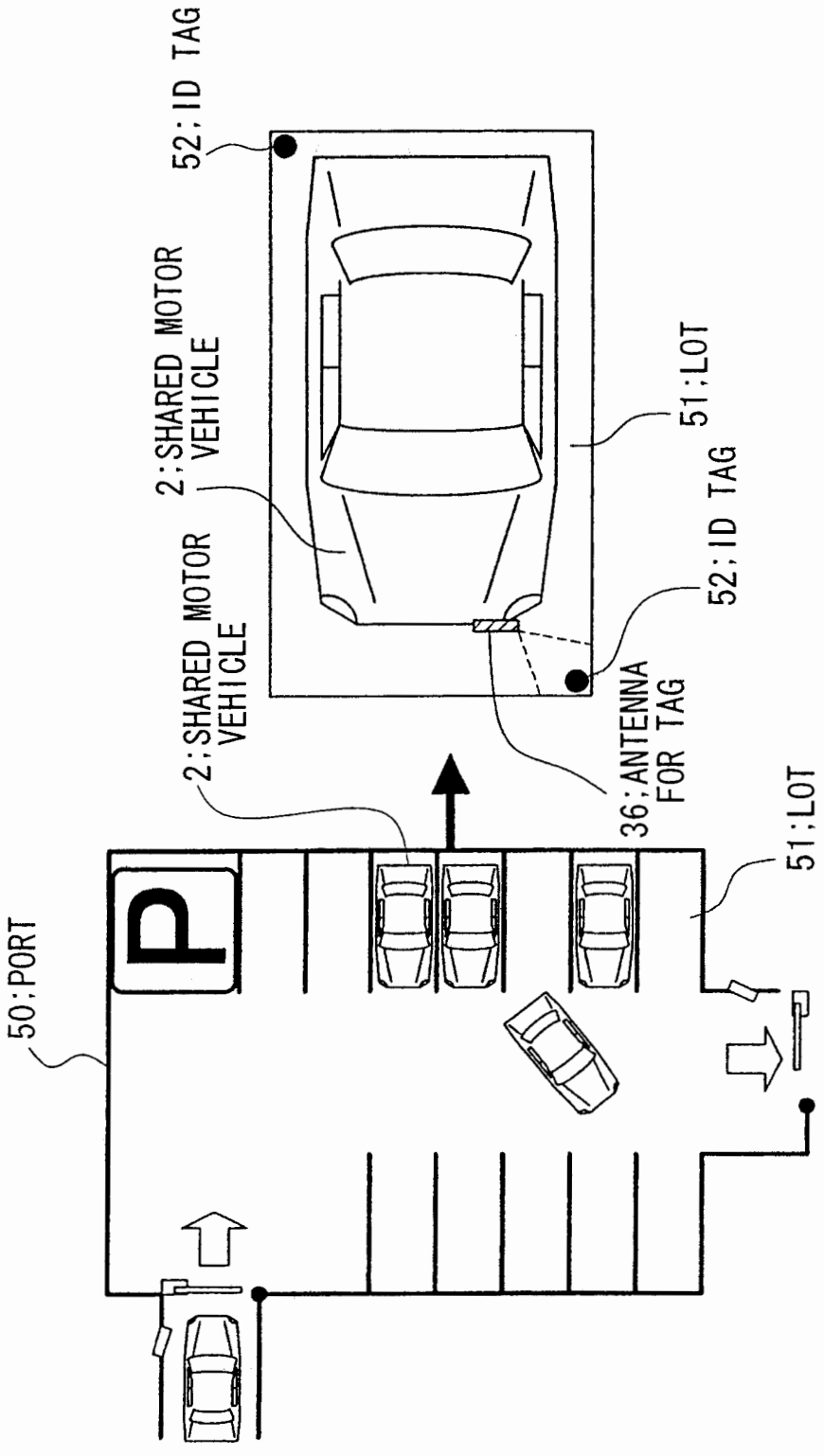
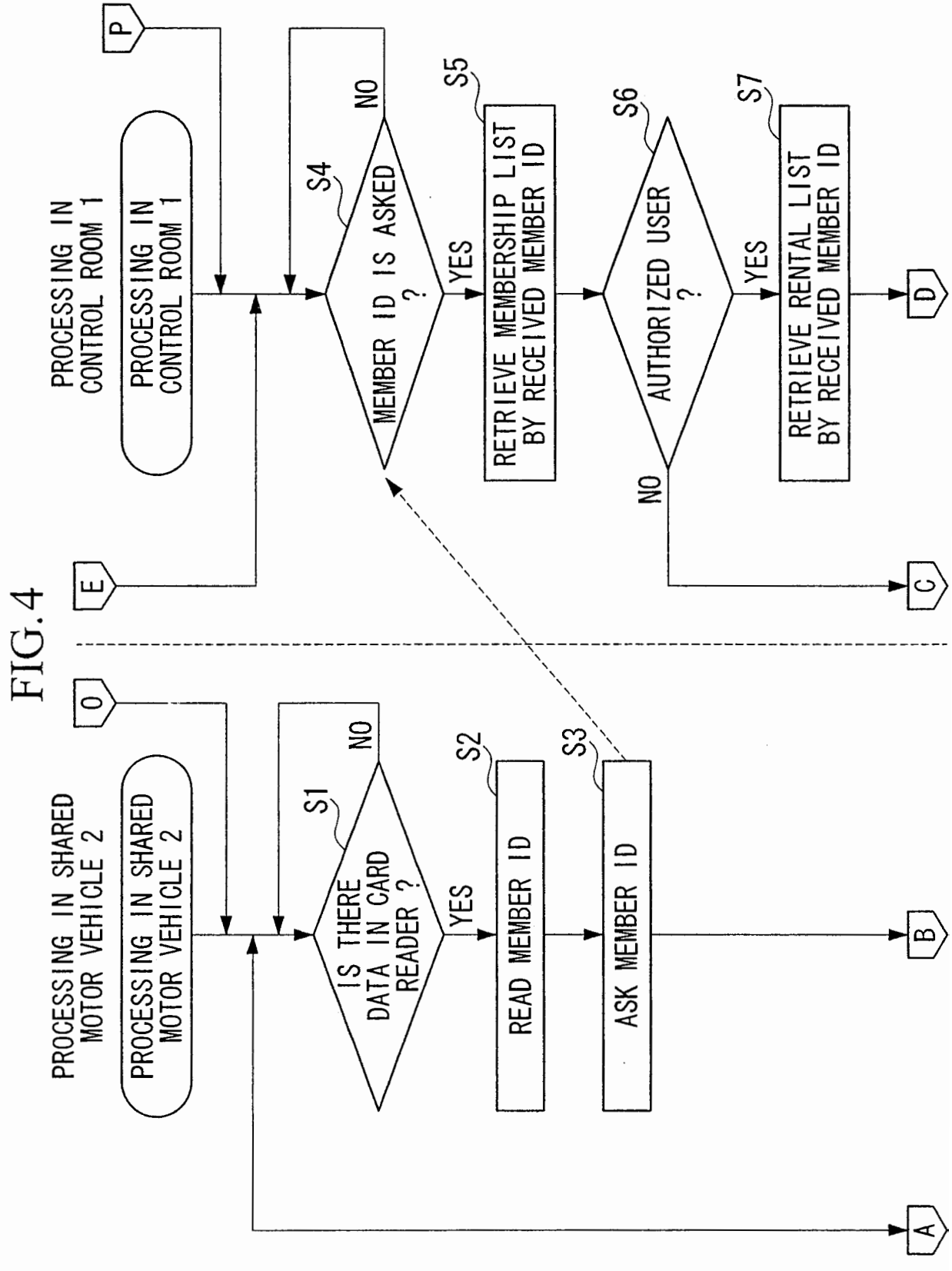

52;ID TAG
2;SHARED MOTOR VEHICLE
51;LOT
52;ID TAG
2;SHARED MOTOR VEHICLE
36;ANTENNA FOR TAG
51;LOT
50;PORT
P

FIG.4


PROCESSING IN SHARED MOTOR VEHICLE 2
PROCESSING IN SHARED MOTOR VEHICLE 2
O
S1
IS THERE DATA IN CARD READER ?
NO
YES
S2
READ MEMBER ID
S3
ASK MEMBER ID
B
A
PROCESSING IN CONTROL ROOM 1
PROCESSING IN CONTROL ROOM 1
P
E
S4
MEMBER ID IS ASKED ?
NO
YES
S5
RETRIEVE MEMBERSHIP LIST BY RECEIVED MEMBER ID
S6
AUTHORIZED USER ?
NO
YES
S7
RETRIEVE RENTAL LIST BY RECEIVED MEMBER ID
C
D

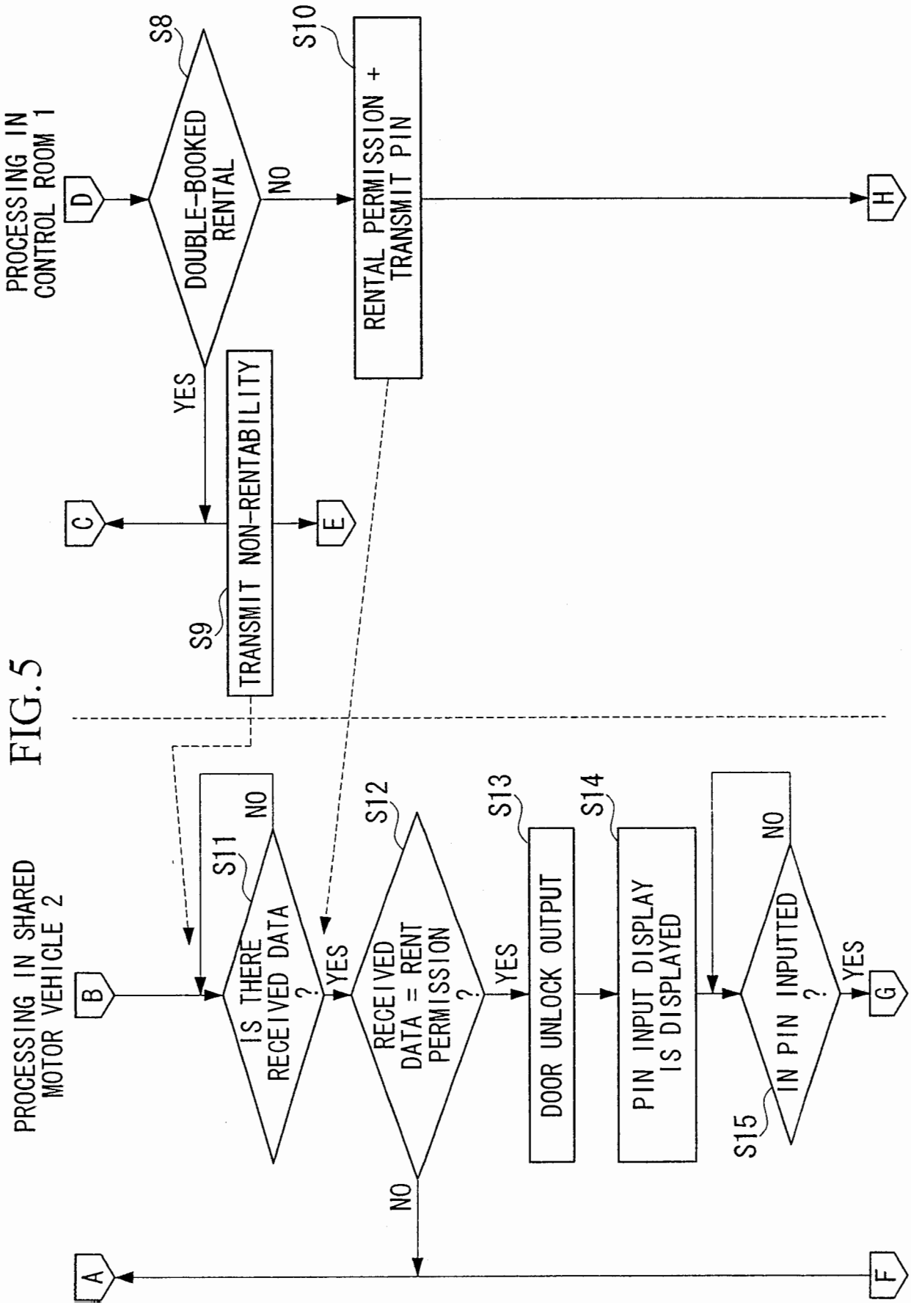
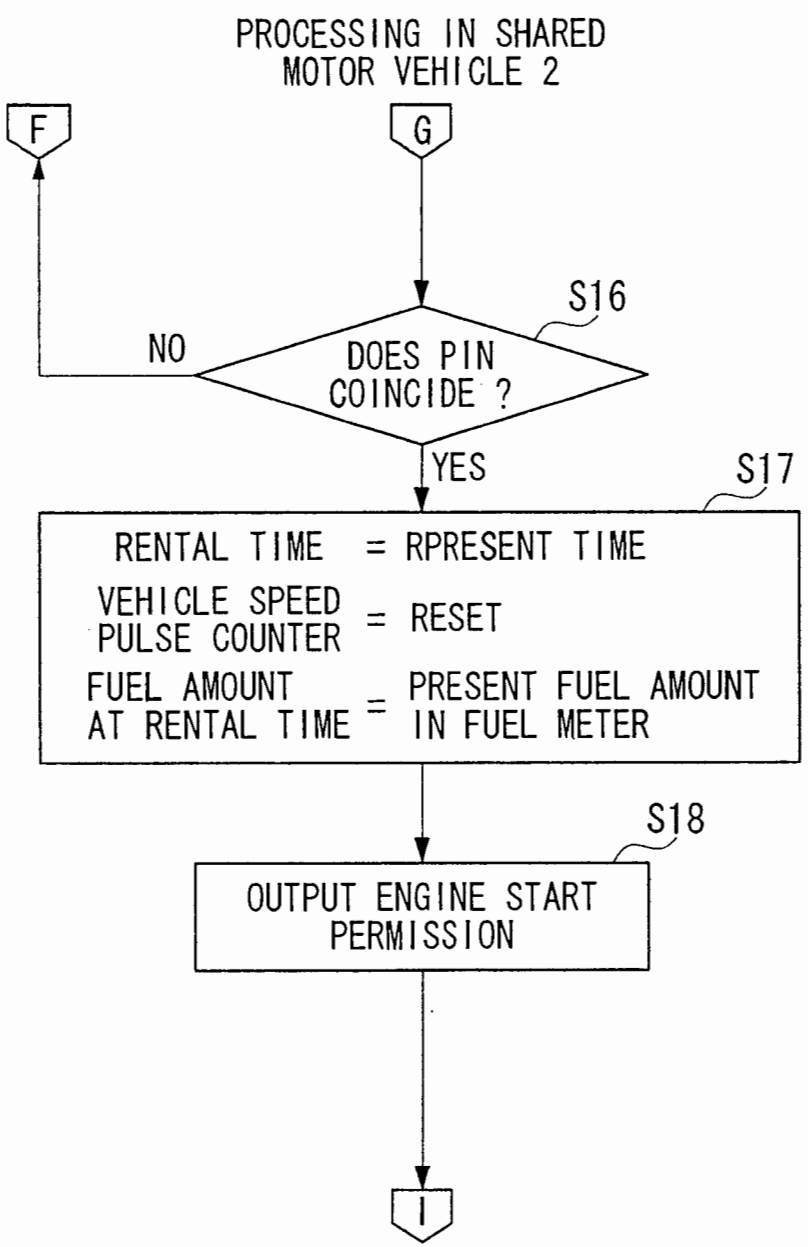
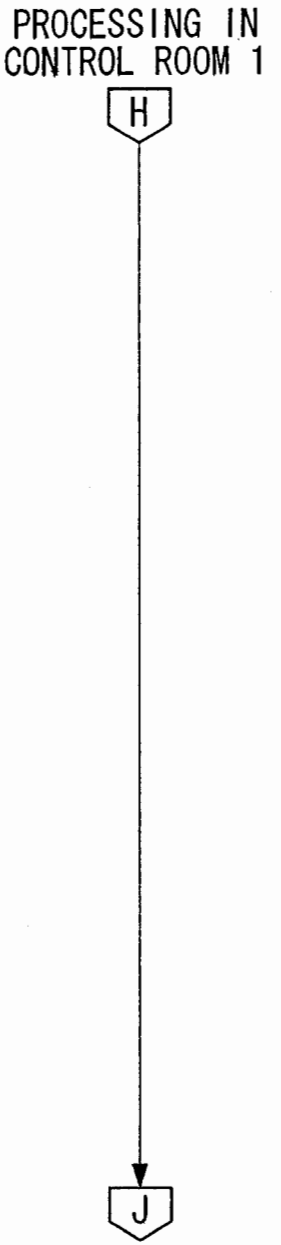

PROCESSING IN CONTROL ROOM 1
D
S8
DOUBLE-BOOKED RENTAL
NO
S10
RENTAL PERMISSION + TRANSMIT PIN
H
YES
C
E
S9
TRANSMIT NON-RENTABILITY
PROCESSING IN SHARED MOTOR VEHICLE 2
B
S11
IS THERE RECEIVED DATA ?
NO
YES
S12
RECEIVED DATA = RENT PERMISSION ?
NO
YES
S13
DOOR UNLOCK OUTPUT
S14
PIN INPUT DISPLAY IS DISPLAYED
S15
IN PIN INPUTTED ?
NO
YES
G
A
F

FIG. 5

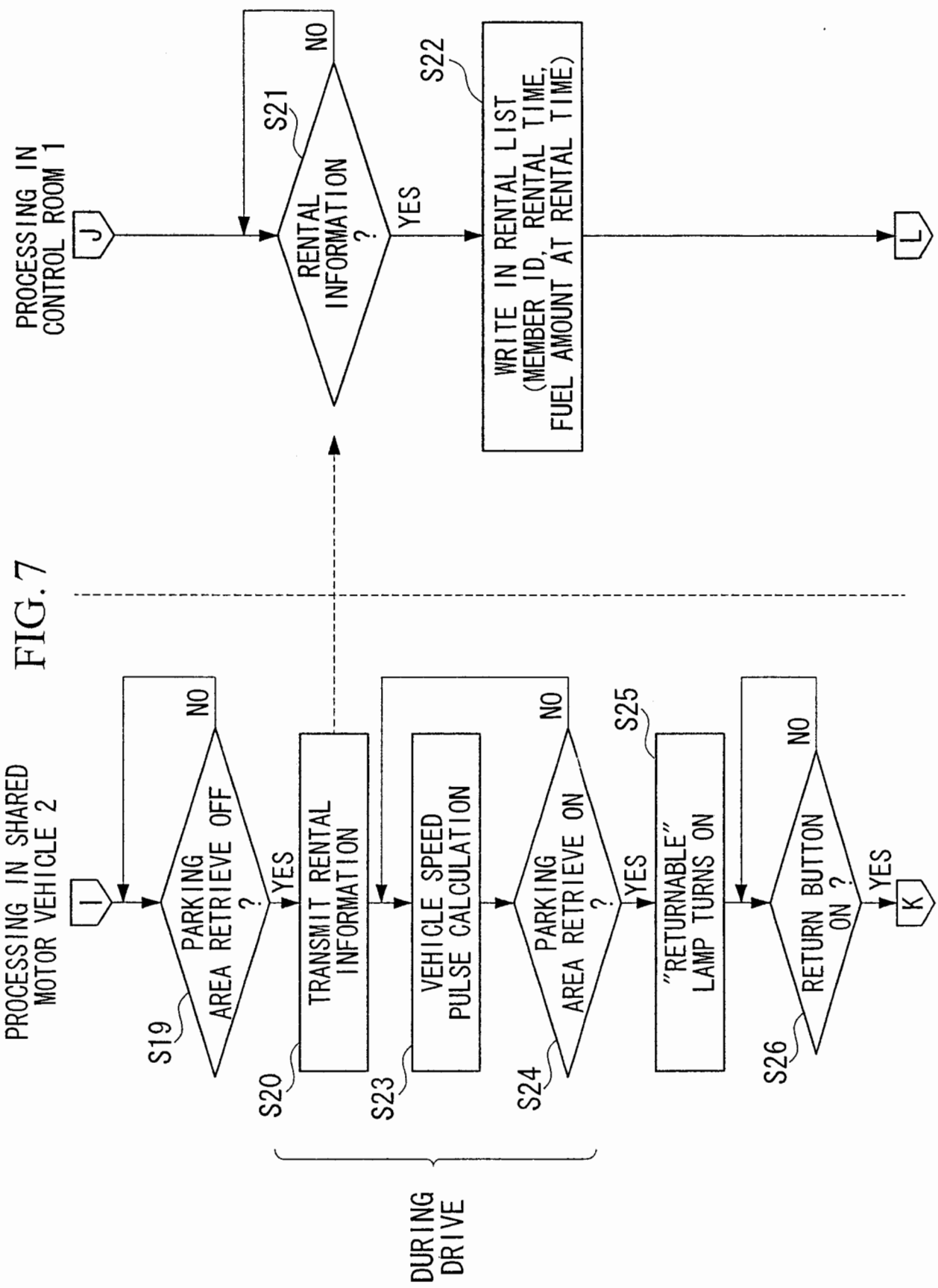
FIG. 6





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FIG. 7


PROCESSING IN SHARED MOTOR VEHICLE 2
PROCESSING IN CONTROL ROOM 1
I
J
K
L
S19
PARKING AREA RETRIEVE OFF ?
NO
YES
S20
TRANSMIT RENTAL INFORMATION
S21
RENTAL INFORMATION ?
NO
YES
S22
WRITE IN RENTAL LIST (MEMBER ID, RENTAL TIME, FUEL AMOUNT AT RENTAL TIME)
S23
VEHICLE SPEED PULSE CALCULATION
S24
PARKING AREA RETRIEVE ON ?
NO
YES
S25
"RETURNABLE" LAMP TURNS ON
S26
RETURN BUTTON ON ?
NO
YES
DURING DRIVE

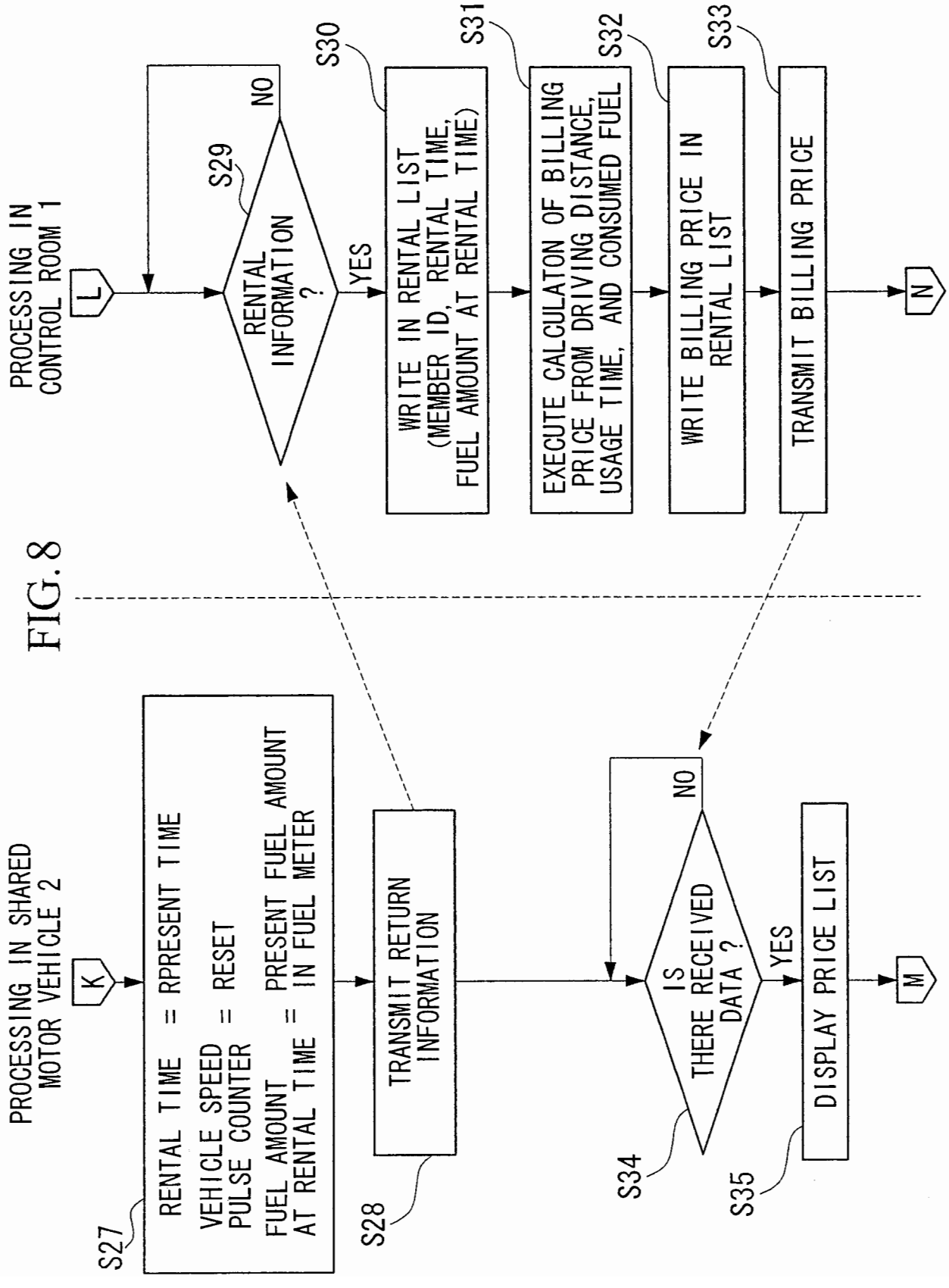

PROCESSING IN SHARED MOTOR VEHICLE 2
K
S27
RENTAL TIME = RPRESENT TIME
VEHICLE SPEED PULSE COUNTER = RESET
FUEL AMOUNT AT RENTAL TIME = PRESENT FUEL AMOUNT IN FUEL METER
S28
TRANSMIT RETURN INFORMATION
S34
IS THERE RECEIVED DATA ?
NO
YES
S35
DISPLAY PRICE LIST
M
PROCESSING IN CONTROL ROOM 1
L
S29
RENTAL INFORMATION ?
NO
YES
S30
WRITE IN RENTAL LIST (MEMBER ID, RENTAL TIME, FUEL AMOUNT AT RENTAL TIME)
S31
EXECUTE CALCULATON OF BILLING PRICE FROM DRIVING DISTANCE, USAGE TIME, AND CONSUMED FUEL
S32
WRITE BILLING PRICE IN RENTAL LIST
S33
TRANSMIT BILLING PRICE
N

FIG. 8

FIG. 9

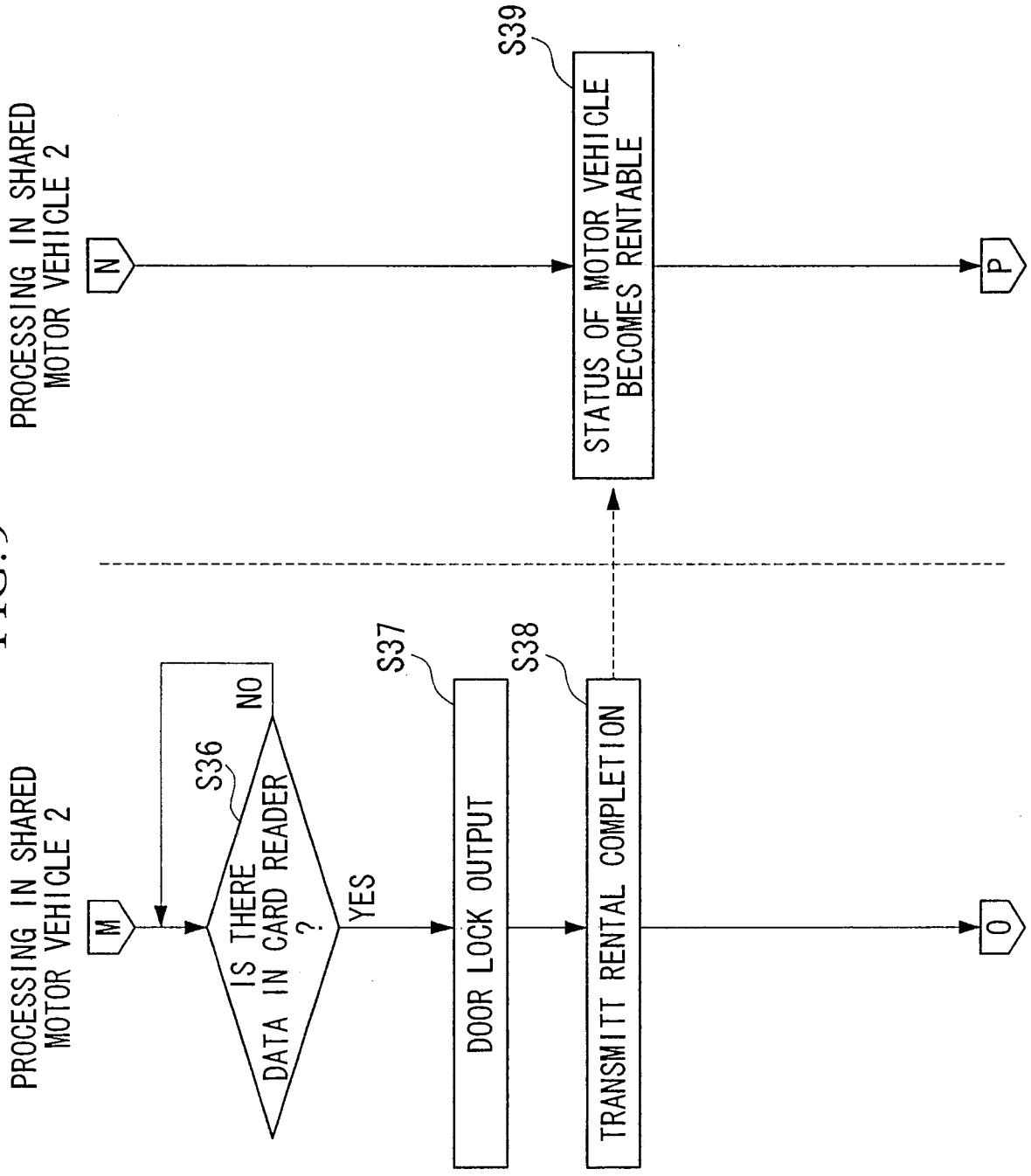
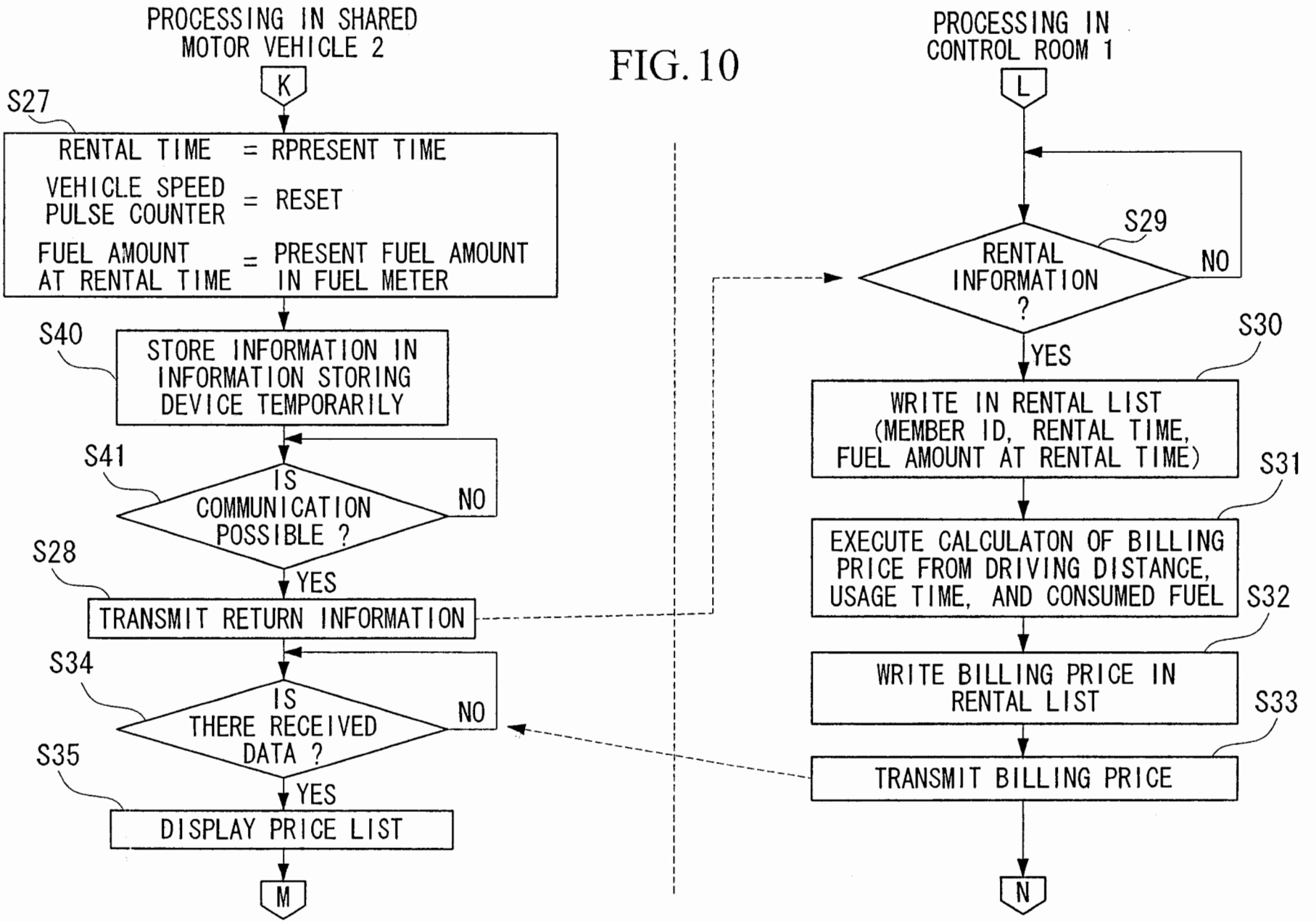
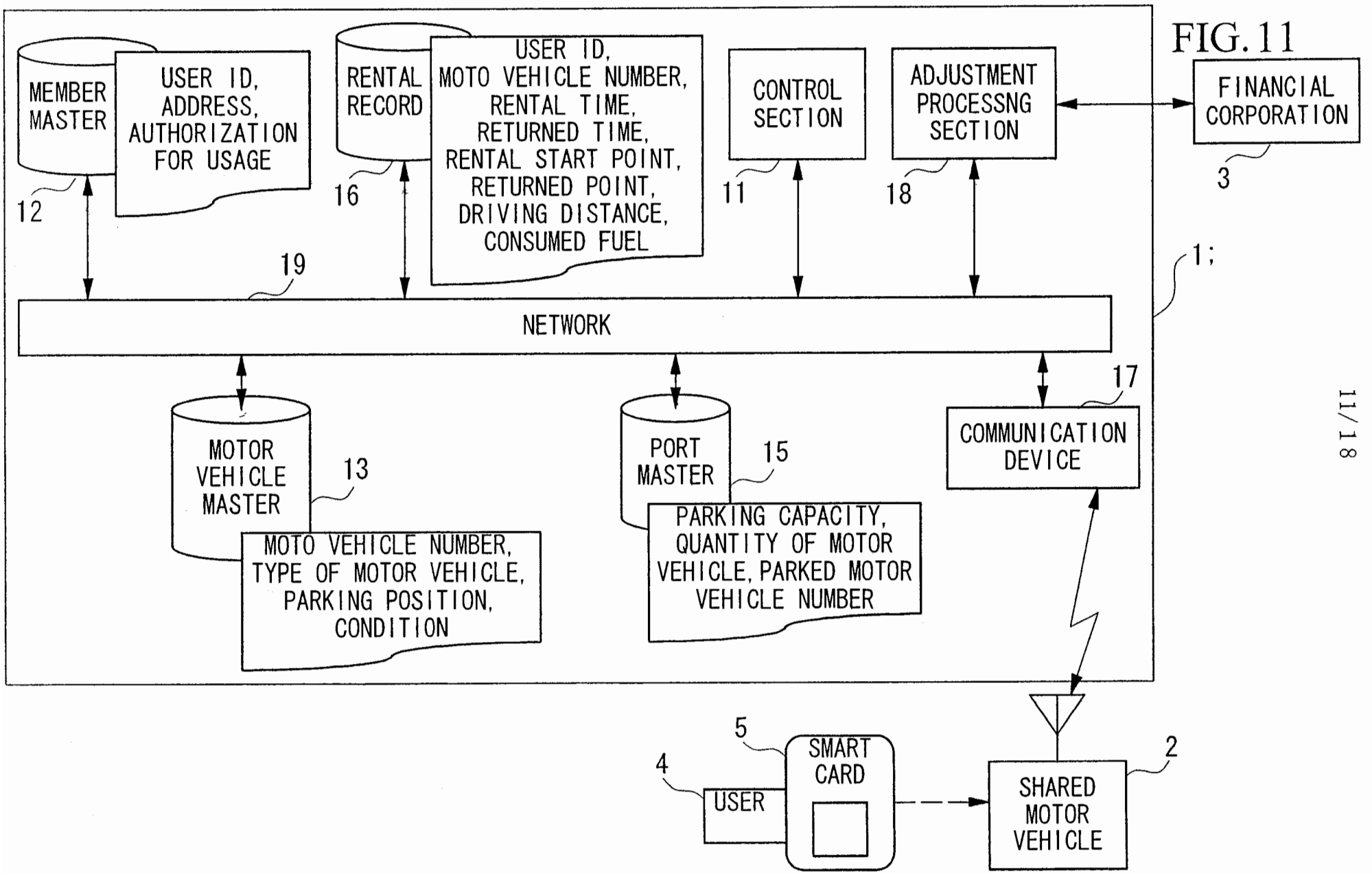

PROCESSING IN SHARED MOTOR VEHICLE 2
M
S36
IS THERE DATA IN CARD READER ?
NO
YES
S37
DOOR LOCK OUTPUT
S38
TRANSMITT RENTAL COMPLETION
O
PROCESSING IN SHARED MOTOR VEHICLE 2
N
S39
STATUS OF MOTOR VEHICLE BECOMES RENTABLE
P

FIG. 10



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FIG. 11



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FIG. 12

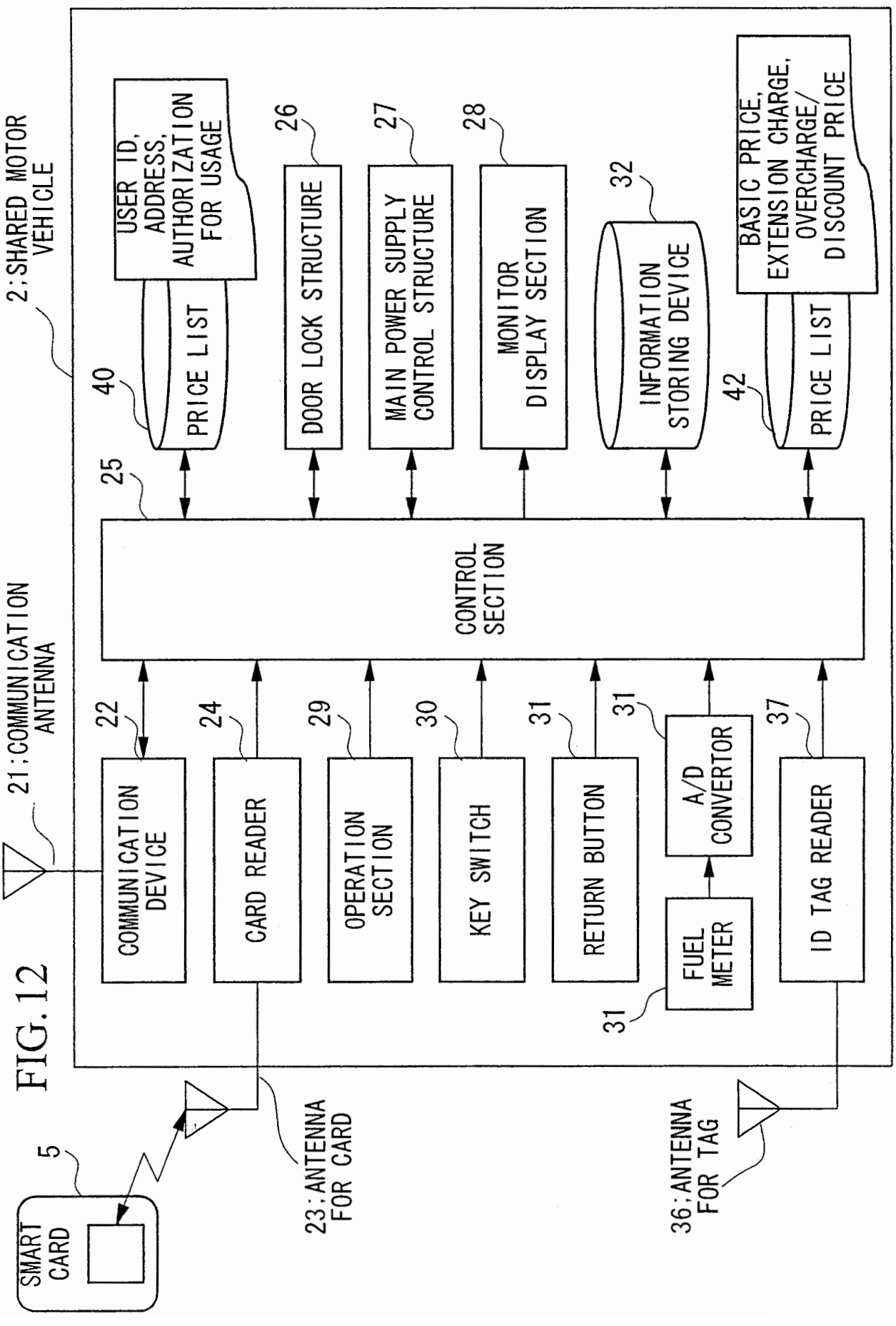

2;SHARED MOTOR VEHICLE
21;COMMUNICATION ANTENNA
USER ID, ADDRESS, AUTHORIZATION FOR USAGE
PRICE LIST
40
26
DOOR LOCK STRUCTURE
27
MAIN POWER SUPPLY CONTROL STRUCTURE
28
MONITOR DISPLAY SECTION
32
INFORMATION STORING DEVICE
BASIC PRICE, EXTENSION CHARGE, OVERCHARGE/ DISCOUNT PRICE
42
PRICE LIST
25
CONTROL SECTION
22
COMMUNICATION DEVICE
24
CARD READER
29
OPERATION SECTION
30
KEY SWITCH
31
RETURN BUTTON
31
A/D CONVERTOR
37
ID TAG READER
31
FUEL METER
5
SMART CARD
23;ANTENNA FOR CARD
36;ANTENNA FOR TAG

FIG. 13

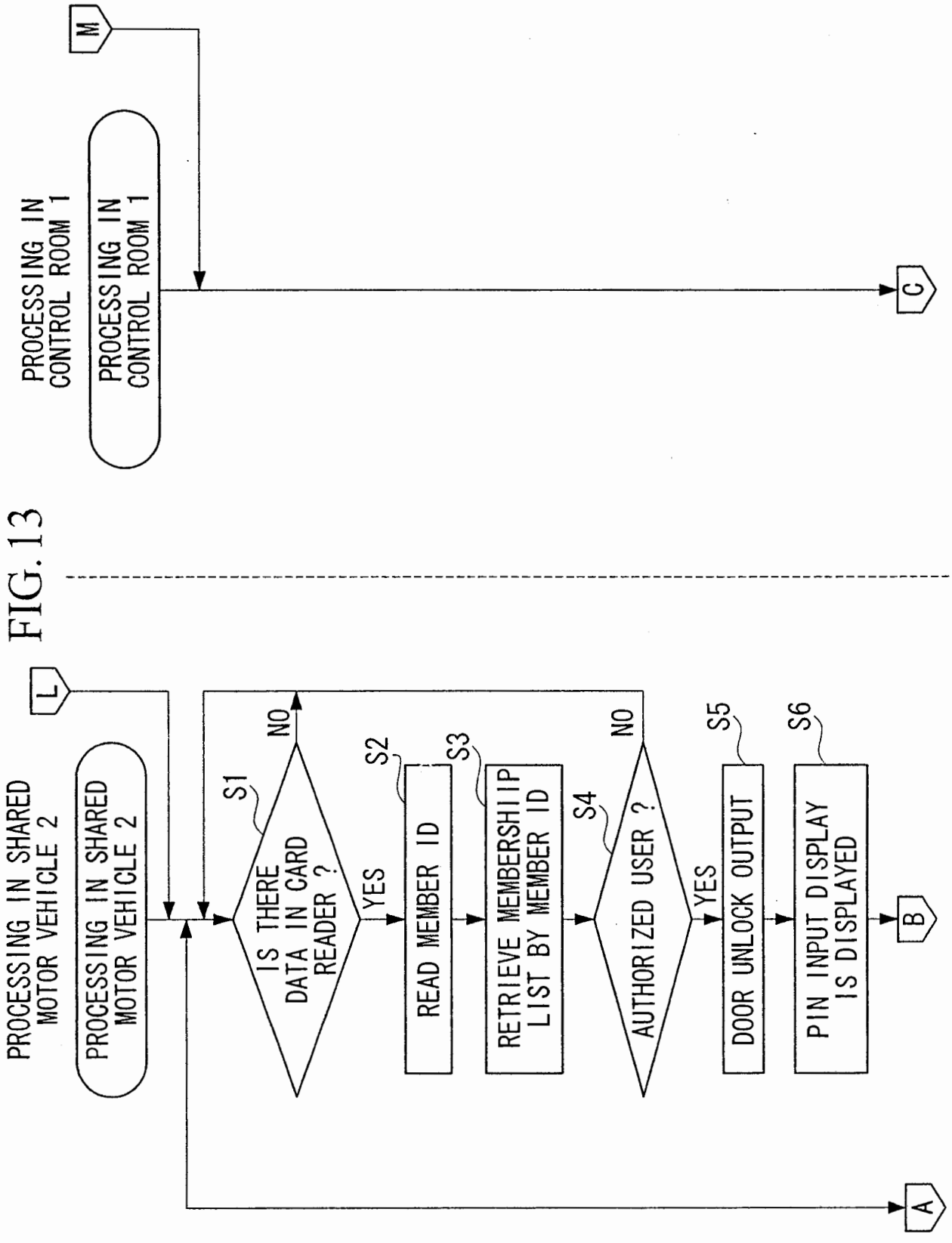

PROCESSING IN CONTROL ROOM 1
PROCESSING IN CONTROL ROOM 1
M
C
PROCESSING IN SHARED MOTOR VEHICLE 2
PROCESSING IN SHARED MOTOR VEHICLE 2
L
S1
IS THERE DATA IN CARD READER ?
NO
YES
S2
READ MEMBER ID
S3
RETRIEVE MEMBERSHIP LIST BY MEMBER ID
S4
AUTHORIZED USER ?
NO
YES
S5
DOOR UNLOCK OUTPUT
S6
PIN INPUT DISPLAY IS DISPLAYED
B
A

FIG. 14

PROCESSING IN SHARED MOTOR VEHICLE 2
PROCESSING IN CONTROL ROOM 1
B
A
C
E
I
S7
IN PIN INPUTTED ?
NO
YES
S8
DOES PIN COINCIDE ?
NO
YES
S9
RENTAL TIME = RPRESENT TIME
VEHICLE SPEED PULSE COUNTER = RESET
FUEL AMOUNT AT RENTAL TIME = PRESENT FUEL AMOUNT IN FUEL METER
S10
OUTPUT ENGINE START PERMISSION

FIG. 15

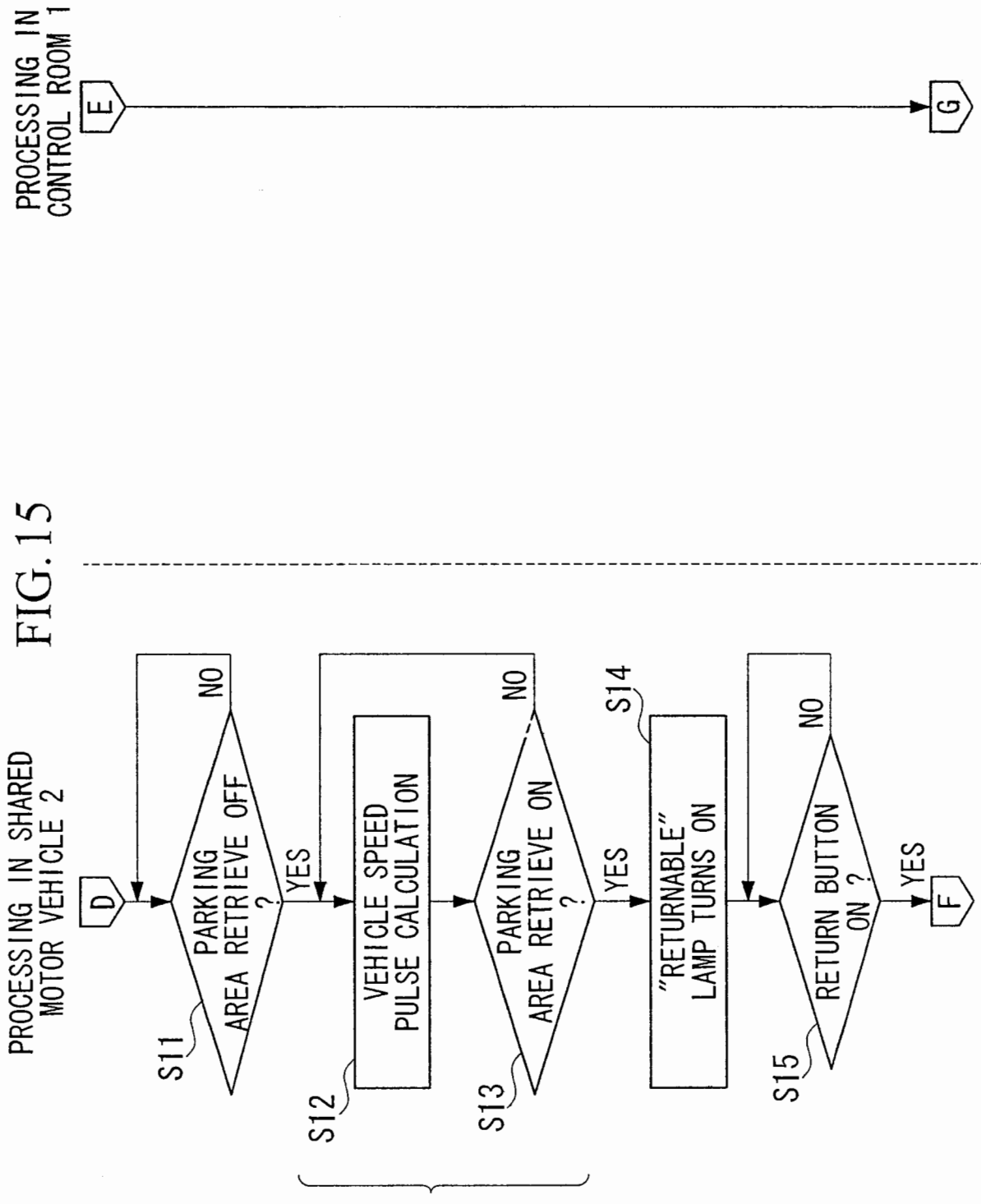

PROCESSING IN SHARED MOTOR VEHICLE 2
D
S11
PARKING AREA RETRIEVE OFF ?
NO
YES
S12
VEHICLE SPEED PULSE CALCULATION
S13
PARKING AREA RETRIEVE ON ?
NO
YES
S14
"RETURNABLE" LAMP TURNS ON
S15
RETURN BUTTON ON ?
NO
YES
F
PROCESSING IN CONTROL ROOM 1
E
G

FIG. 16

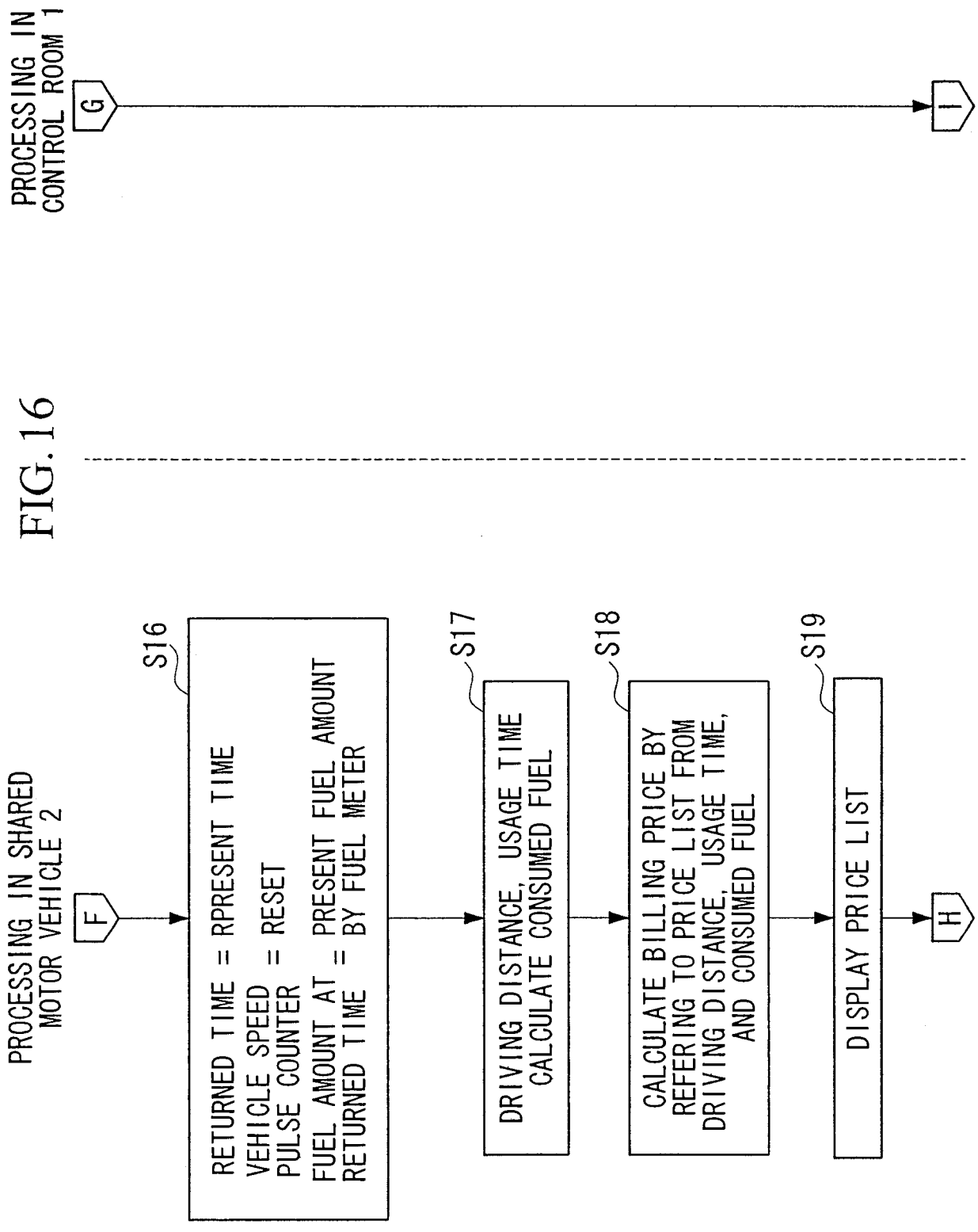

PROCESSING IN SHARED MOTOR VEHICLE 2
F
S16
RETURNED TIME = RPRESENT TIME
VEHICLE SPEED = RESET
PULSE COUNTER = RESET
FUEL AMOUNT AT = PRESENT FUEL AMOUNT
RETURNED TIME = BY FUEL METER
S17
DRIVING DISTANCE, USAGE TIME CALCULATE CONSUMED FUEL
S18
CALCULATE BILLING PRICE BY REFERING TO PRICE LIST FROM DRIVING DISTANCE, USAGE TIME, AND CONSUMED FUEL
S19
DISPLAY PRICE LIST
H
PROCESSING IN CONTROL ROOM 1
G
I

FIG. 17

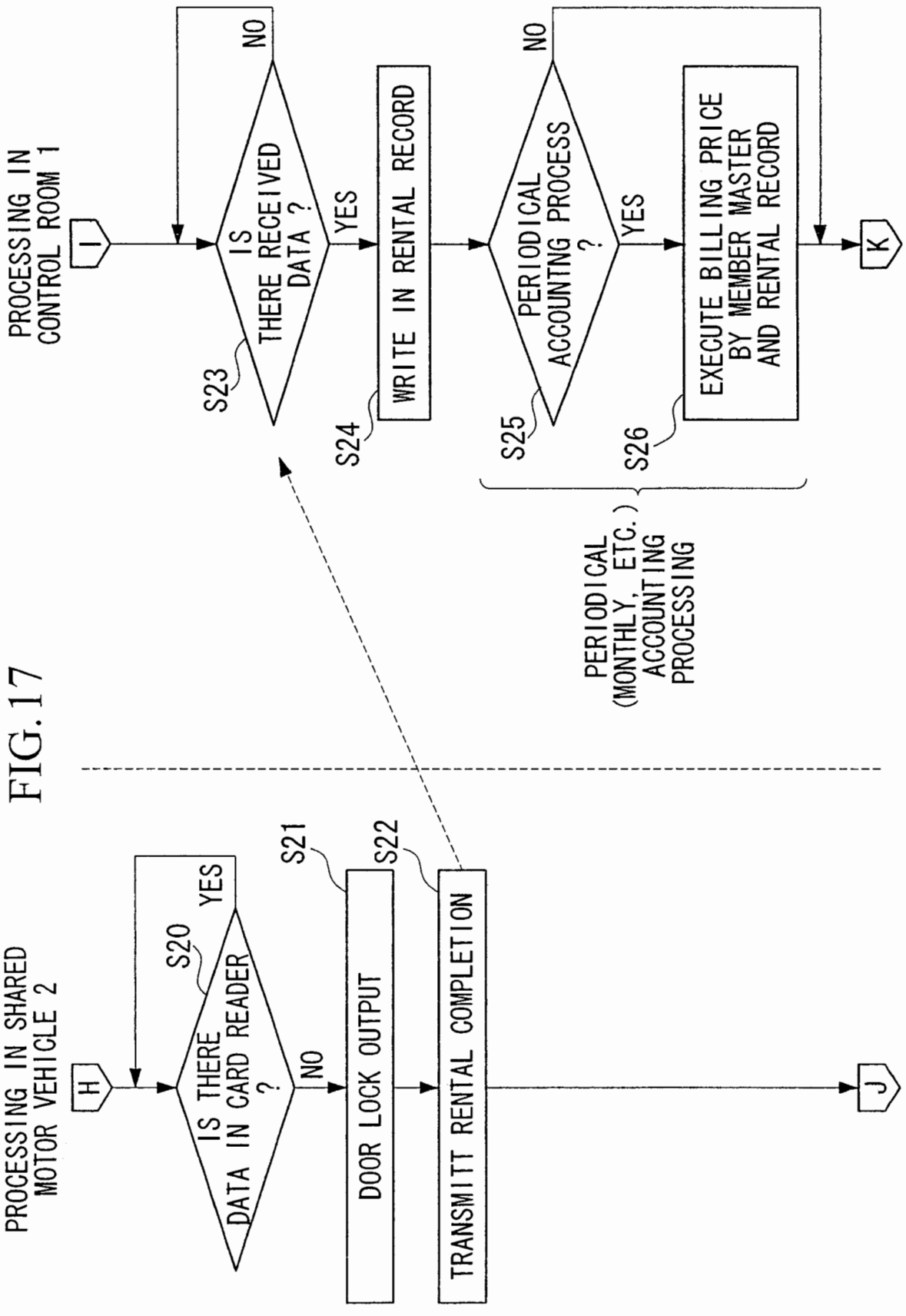
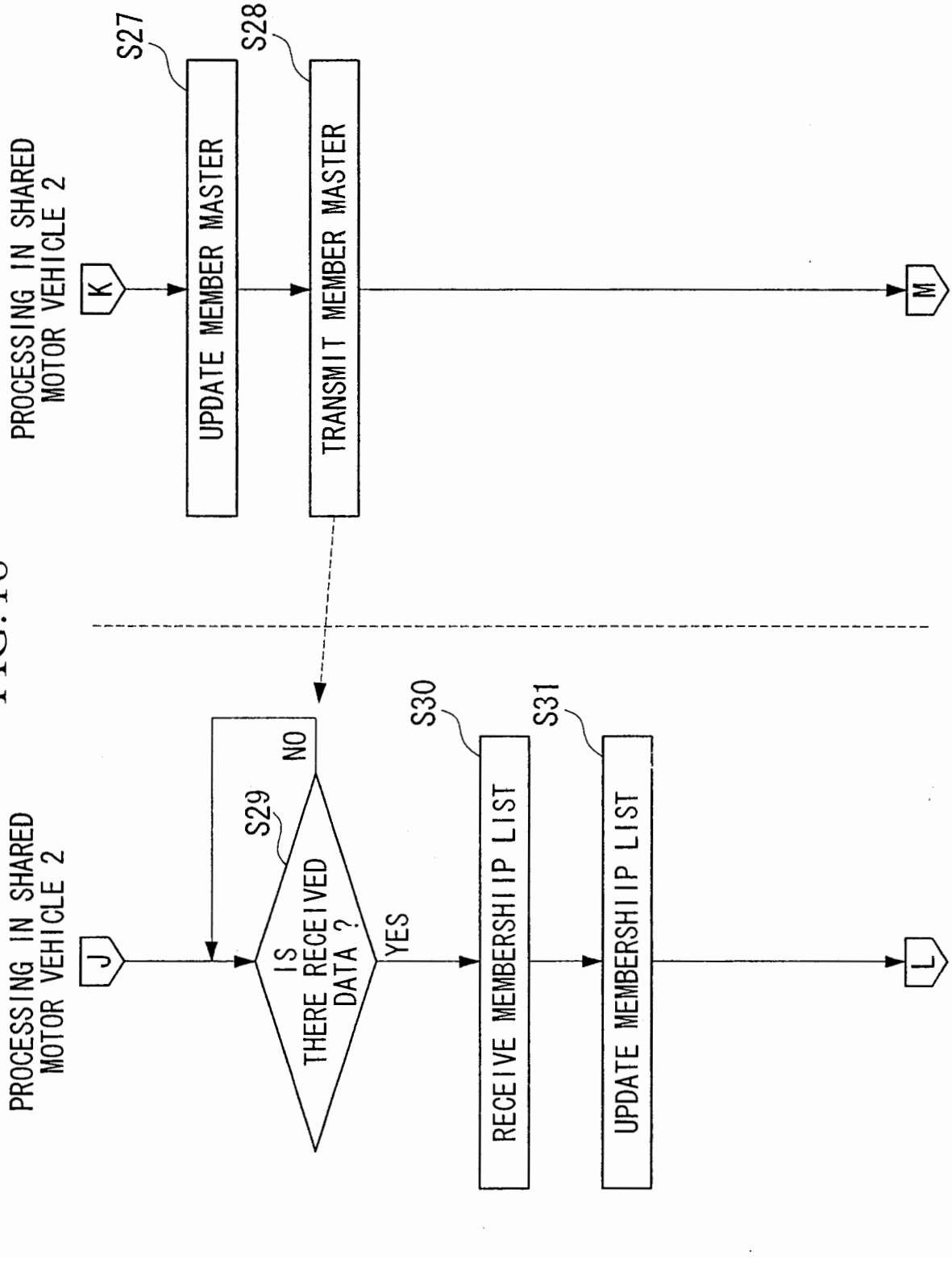

PROCESSING IN SHARED MOTOR VEHICLE 2
H
S20
IS THERE DATA IN CARD READER ?
YES
NO
S21
DOOR LOCK OUTPUT
S22
TRANSMITT RENTAL COMPLETION
J
PROCESSING IN CONTROL ROOM 1
I
S23
IS THERE RECEIVED DATA ?
NO
YES
S24
WRITE IN RENTAL RECORD
S25
PERIODICAL ACCOUNTNG PROCESS ?
NO
YES
S26
EXECUTE BILLING PRICE BY MEMBER MASTER AND RENTAL RECORD
K
PERIODICAL (MONTHLY, ETC.) ACCOUNTING PROCESSING

FIG. 18


PROCESSING IN SHARED MOTOR VEHICLE 2
K
S27
UPDATE MEMBER MASTER
S28
TRANSMIT MEMBER MASTER
M
PROCESSING IN SHARED MOTOR VEHICLE 2
J
S29
IS THERE RECEIVED DATA ?
NO
YES
S30
RECEIVE MEMBERSHIP LIST
S31
UPDATE MEMBERSHIP LIST
L