FIG. 1

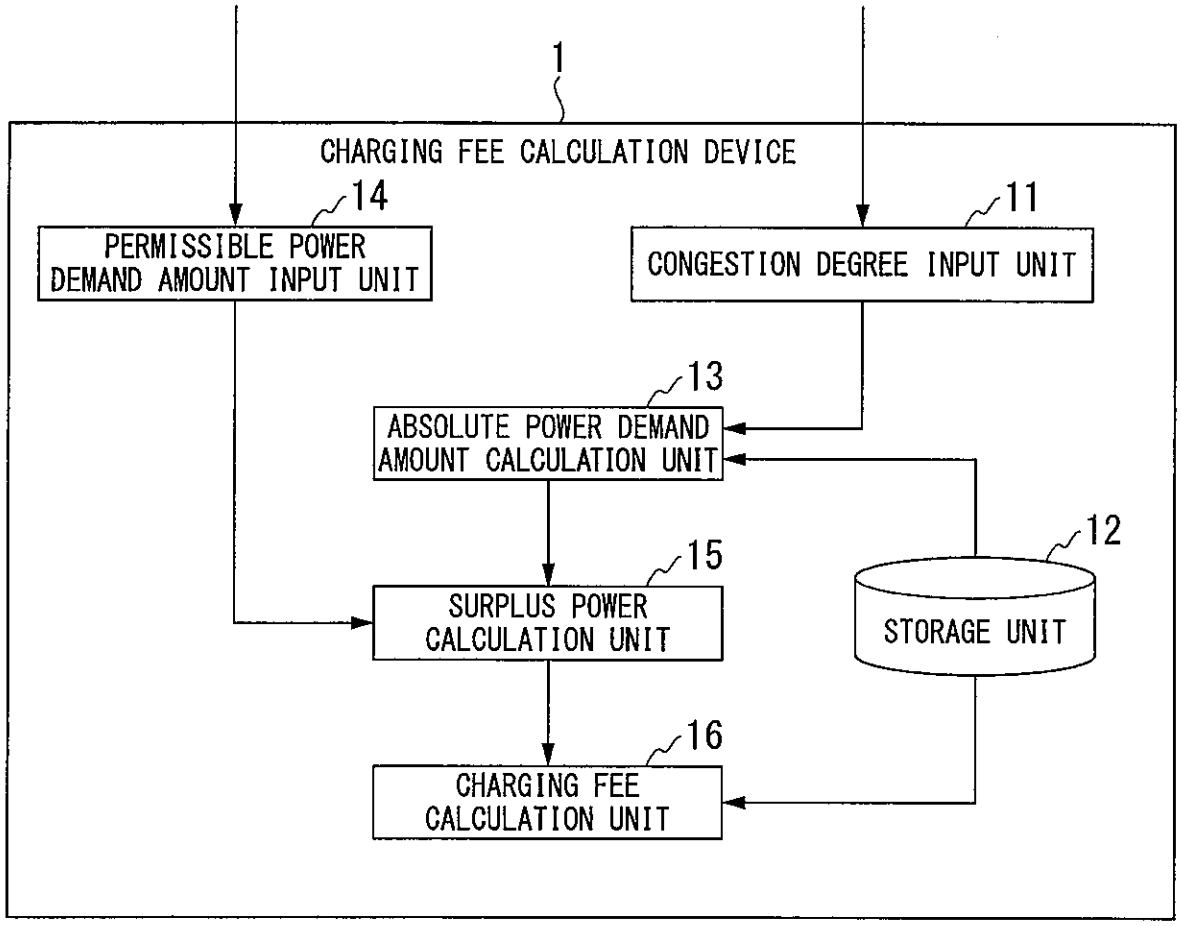

1
CHARGING FEE CALCULATION DEVICE
14
PERMISSIBLE POWER DEMAND AMOUNT INPUT UNIT
11
CONGESTION DEGREE INPUT UNIT
13
ABSOLUTE POWER DEMAND AMOUNT CALCULATION UNIT
12
STORAGE UNIT
15
SURPLUS POWER CALCULATION UNIT
16
CHARGING FEE CALCULATION UNIT

FIG. 2

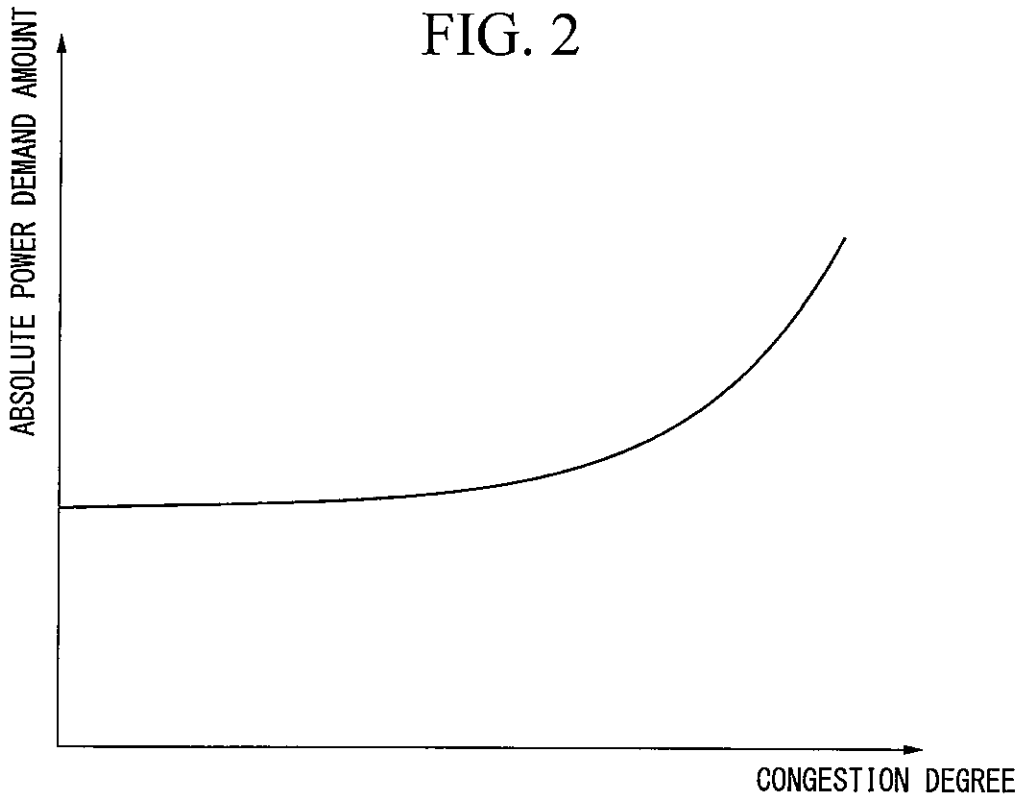

ABSOLUTE POWER DEMAND AMOUNT
CONGESTION DEGREE

FIG. 3

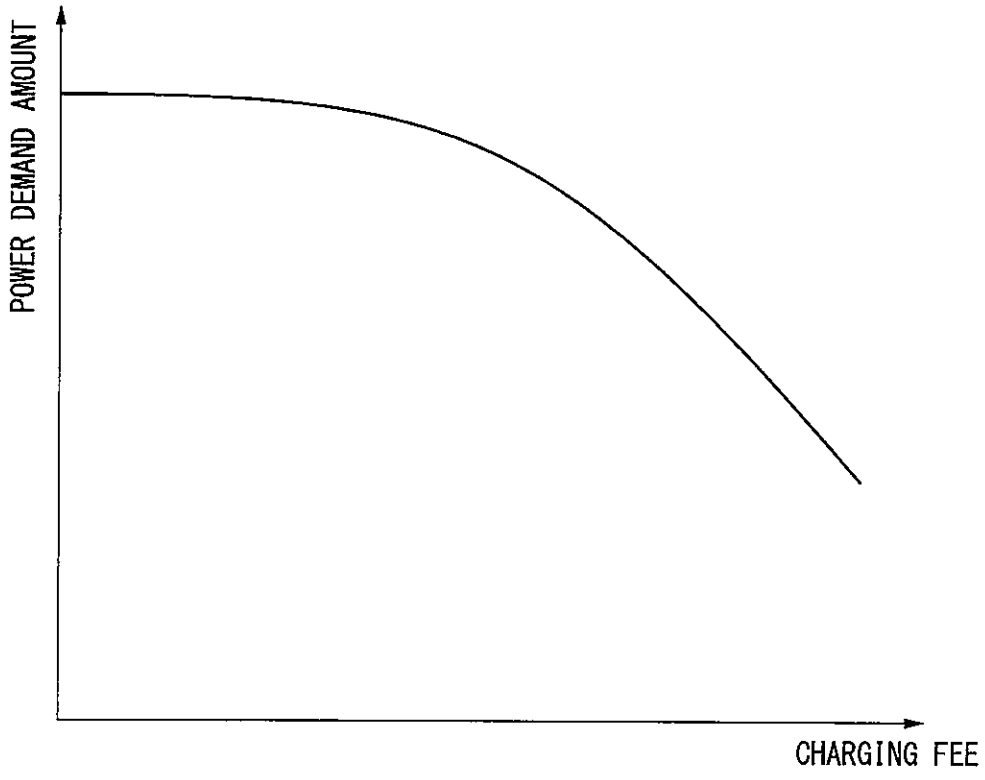

POWER DEMAND AMOUNT
CHARGING FEE

FIG. 4

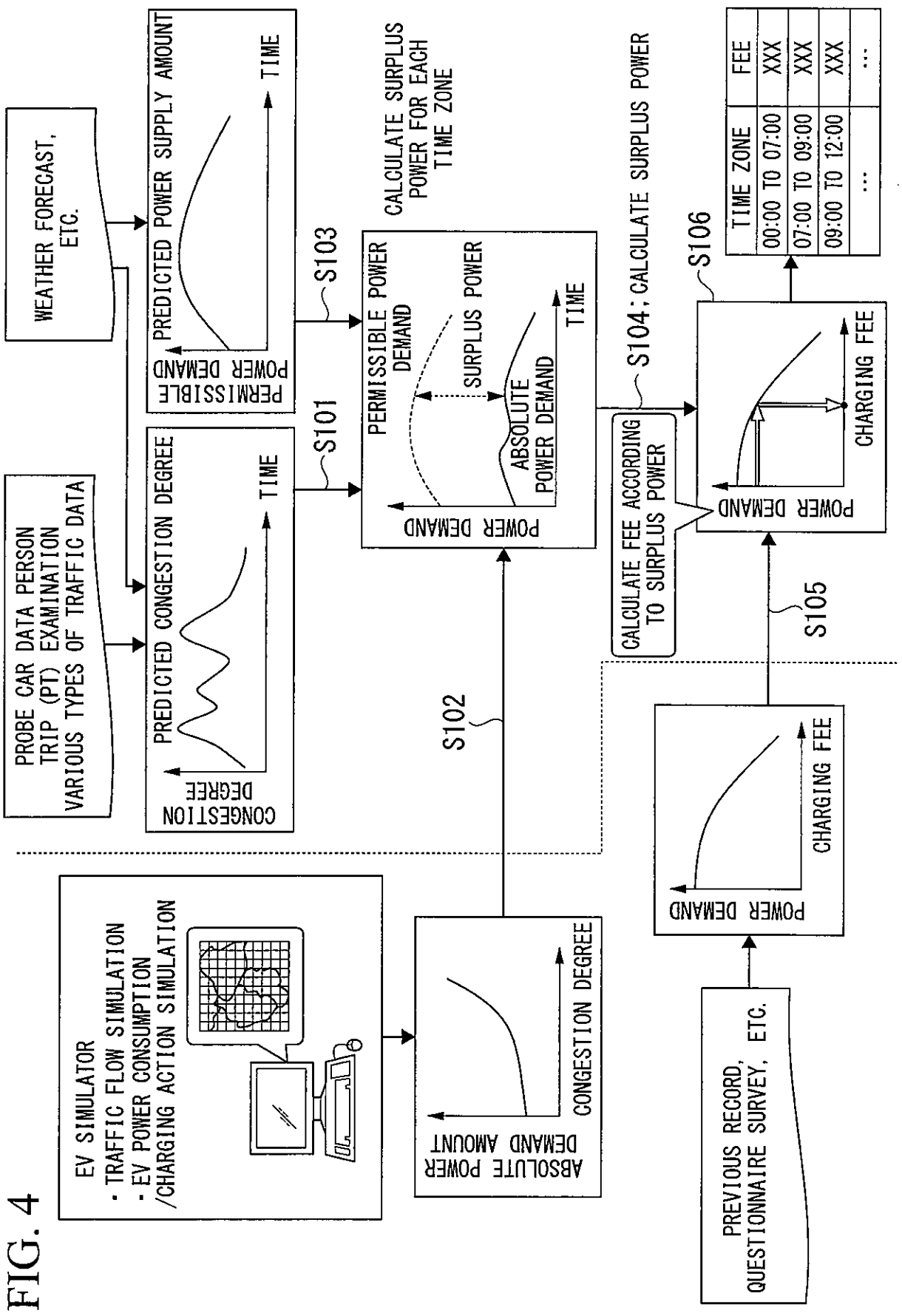

PROBE CAR DATA PERSON TRIP (PT) EXAMINATION VARIOUS TYPES OF TRAFFIC DATA
WEATHER FORECAST, ETC.
PREDICTED CONGESTION DEGREE
CONGESTION DEGREE
TIME
PREDICTED POWER SUPPLY AMOUNT
PERMISSIBLE POWER DEMAND
TIME
S101
S103
CALCULATE SURPLUS POWER FOR EACH TIME ZONE
PERMISSIBLE POWER DEMAND
SURPLUS POWER
ABSOLUTE POWER DEMAND
POWER DEMAND
TIME
S104; CALCULATE SURPLUS POWER
CALCULATE FEE ACCORDING TO SURPLUS POWER
S106
TIME ZONE
FEE
00:00 TO 07:00
XXX
07:00 TO 09:00
XXX
09:00 TO 12:00
XXX
...
...
POWER DEMAND
CHARGING FEE
S105
S102
EV SIMULATOR
・TRAFFIC FLOW SIMULATION
・EV POWER CONSUMPTION /CHARGING ACTION SIMULATION
ABSOLUTE POWER DEMAND AMOUNT
CONGESTION DEGREE
POWER DEMAND
CHARGING FEE
PREVIOUS RECORD, QUESTIONNAIRE SURVEY, ETC.

FIG. 5

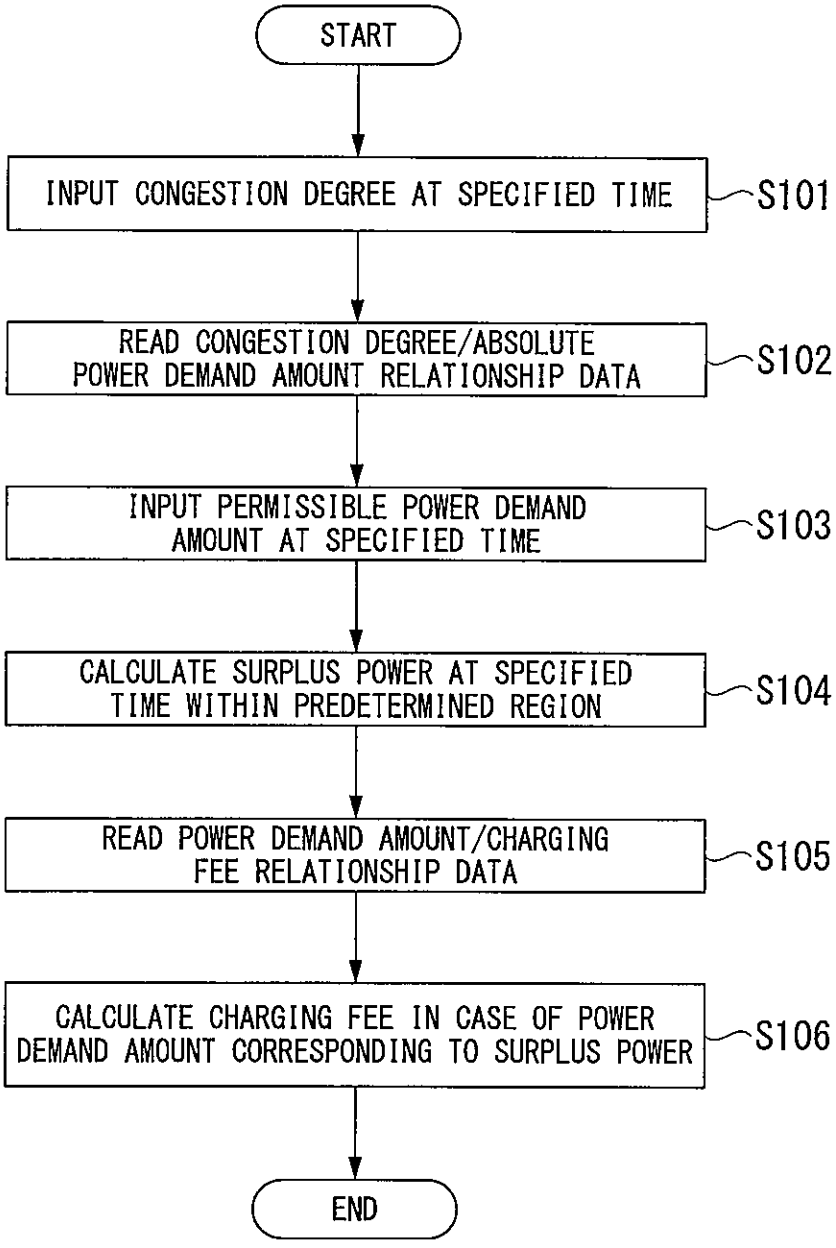
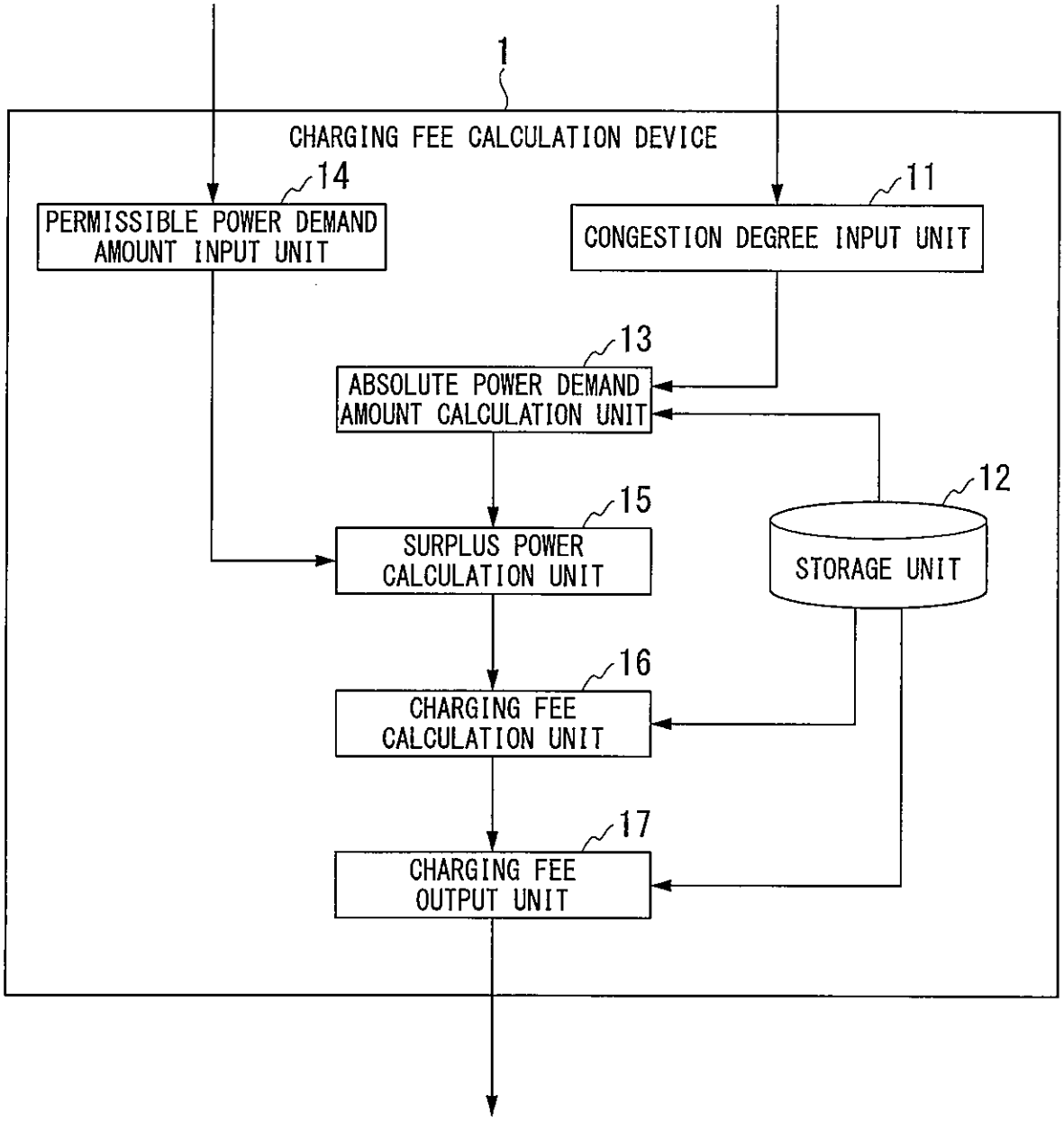

START
INPUT CONGESTION DEGREE AT SPECIFIED TIME
S101
READ CONGESTION DEGREE/ABSOLUTE POWER DEMAND AMOUNT RELATIONSHIP DATA
S102
INPUT PERMISSIBLE POWER DEMAND AMOUNT AT SPECIFIED TIME
S103
CALCULATE SURPLUS POWER AT SPECIFIED TIME WITHIN PREDETERMINED REGION
S104
READ POWER DEMAND AMOUNT/CHARGING FEE RELATIONSHIP DATA
S105
CALCULATE CHARGING FEE IN CASE OF POWER DEMAND AMOUNT CORRESPONDING TO SURPLUS POWER
S106
END

FIG. 6


1
CHARGING FEE CALCULATION DEVICE
14
PERMISSIBLE POWER DEMAND AMOUNT INPUT UNIT
11
CONGESTION DEGREE INPUT UNIT
13
ABSOLUTE POWER DEMAND AMOUNT CALCULATION UNIT
12
STORAGE UNIT
15
SURPLUS POWER CALCULATION UNIT
16
CHARGING FEE CALCULATION UNIT
17
CHARGING FEE OUTPUT UNIT