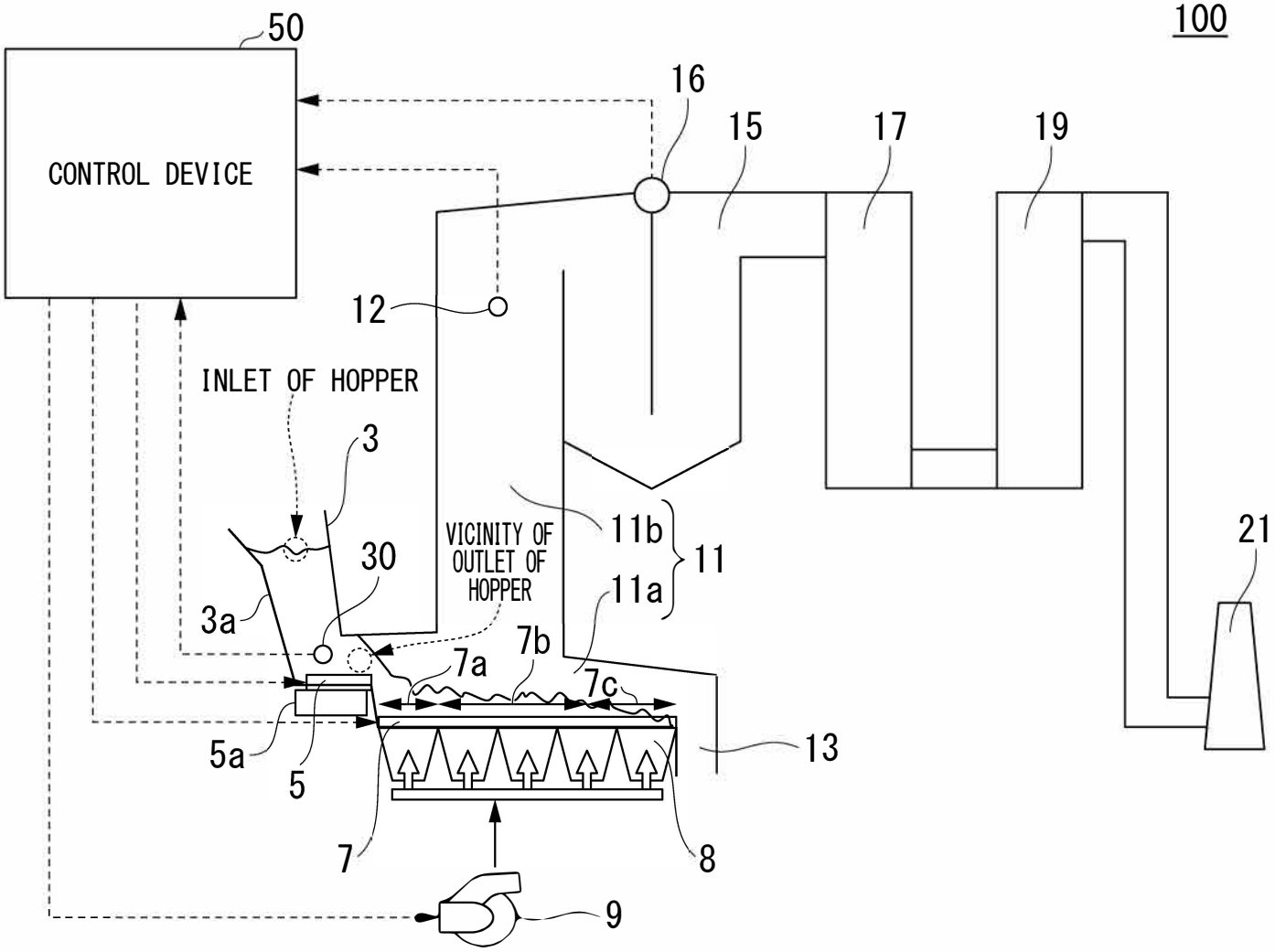
100
50
CONTROL DEVICE
16
15
17
19
12
INLET OF HOPPER
3
30
3a
VICINITY OF OUTLET OF HOPPER
11b
11
11a
21
7a
7b
7c
5a
5
13
7
8
9

FIG. 1

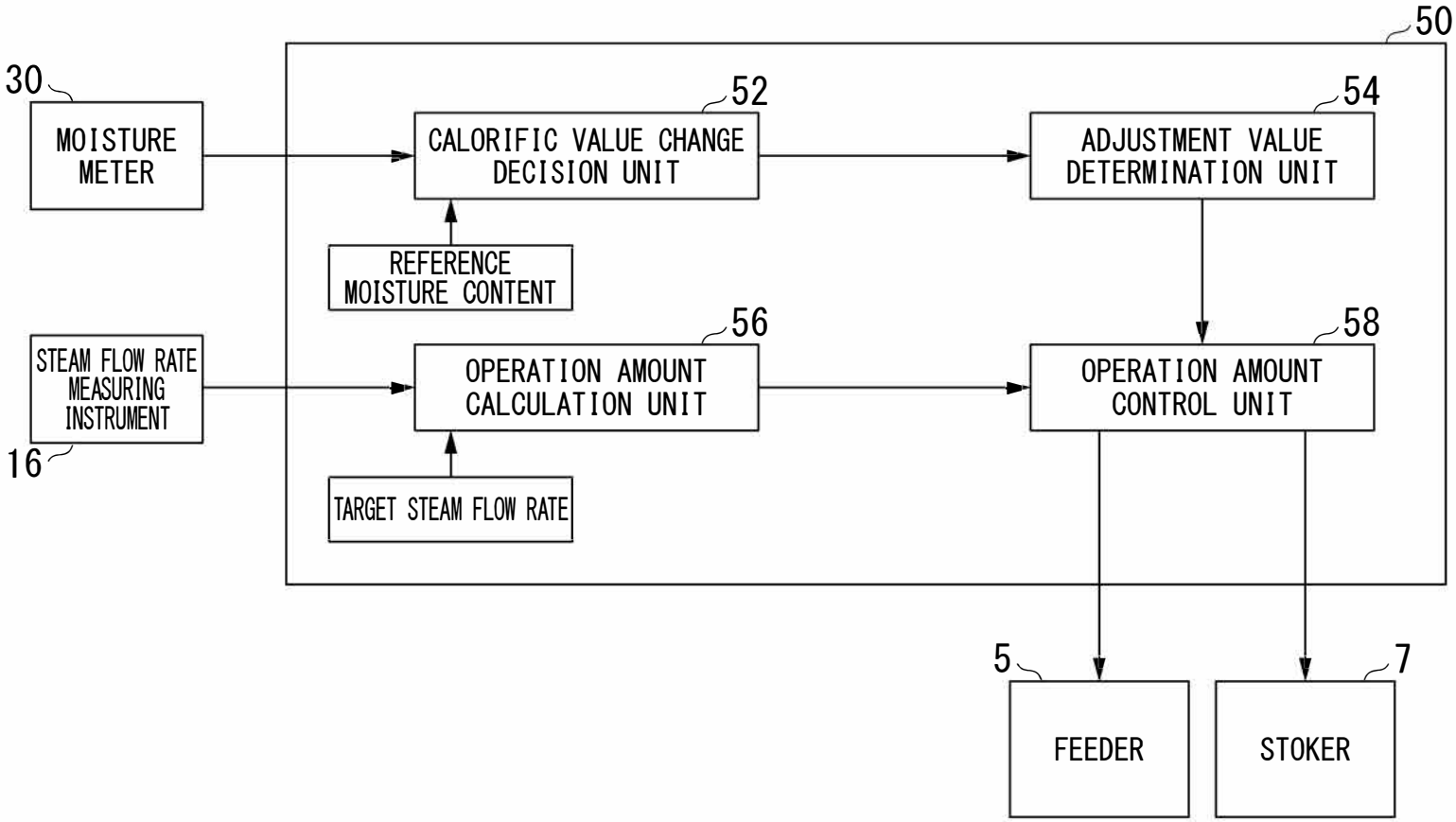
50
30
MOISTURE METER
52
CALORIFIC VALUE CHANGE DECISION UNIT
54
ADJUSTMENT VALUE DETERMINATION UNIT
REFERENCE MOISTURE CONTENT
56
58
STEAM FLOW RATE MEASURING INSTRUMENT
16
OPERATION AMOUNT CALCULATION UNIT
OPERATION AMOUNT CONTROL UNIT
TARGET STEAM FLOW RATE
5
7
FEEDER
STOKER

FIG. 2

MOISTURE CONTENT [%]	CHARGED LOAD [t/h/m]	INFLUENCE ON BURNOUT LENGTH	CYCLE TIME OF STOKER [sec]
48%	2.0	SMALL	DRY STAGE:150, COMBUSTION STAGE:90, POST-COMBUSTION STAGE:150
50%	2.2	REFERENCE	DRY STAGE:150, COMBUSTION STAGE:100, POST-COMBUSTION STAGE:200
53%	2.5	LARGE	DRY STAGE:150, COMBUSTION STAGE:150, POST-COMBUSTION STAGE:400

FIG. 3

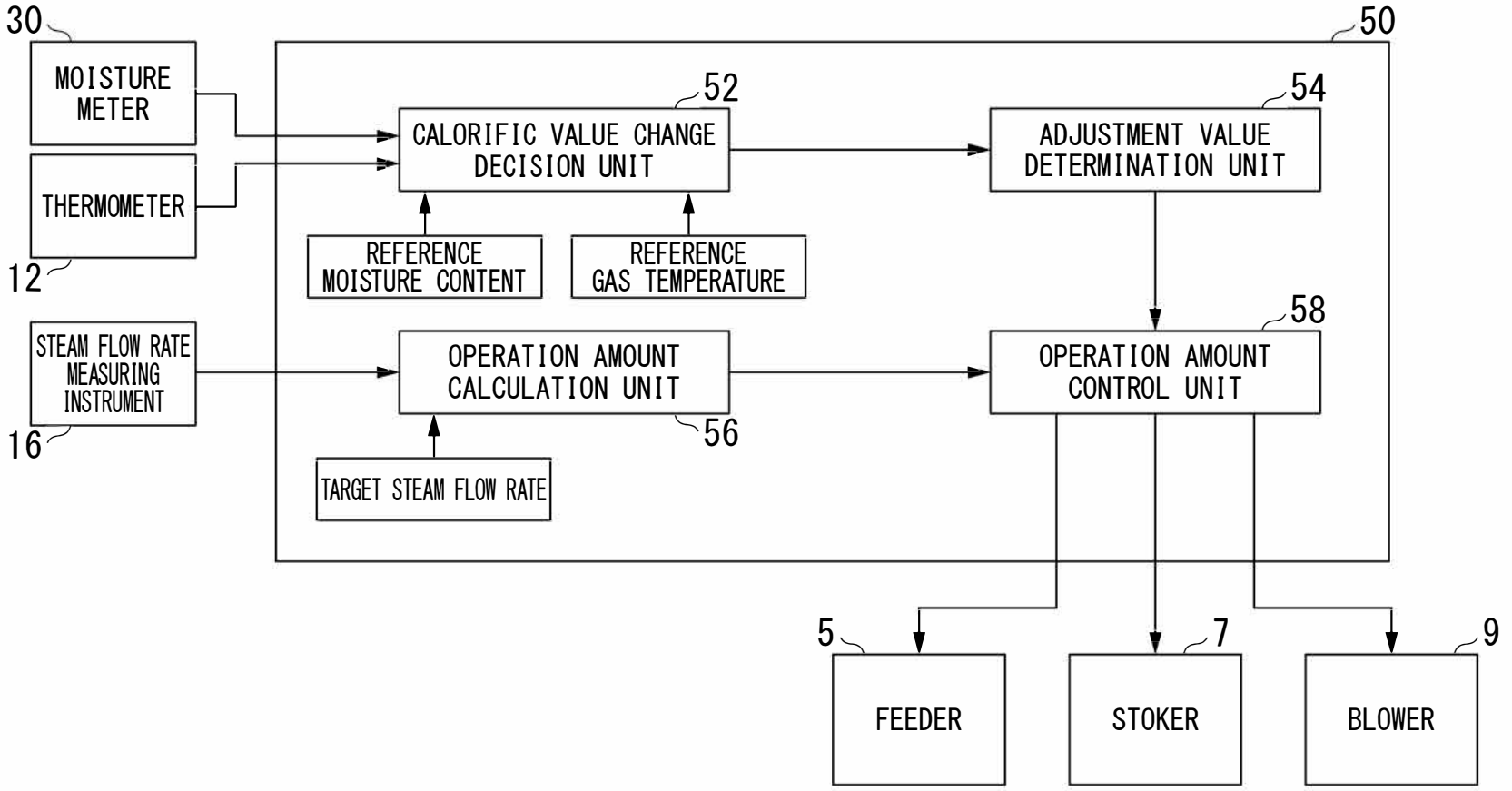
30
MOISTURE METER
THERMOMETER
12
STEAM FLOW RATE MEASURING INSTRUMENT
16
50
52
CALORIFIC VALUE CHANGE DECISION UNIT
REFERENCE MOISTURE CONTENT
REFERENCE GAS TEMPERATURE
54
ADJUSTMENT VALUE DETERMINATION UNIT
58
OPERATION AMOUNT CONTROL UNIT
OPERATION AMOUNT CALCULATION UNIT
56
TARGET STEAM FLOW RATE
5
FEEDER
7
STOKER
9
BLOWER

FIG. 4

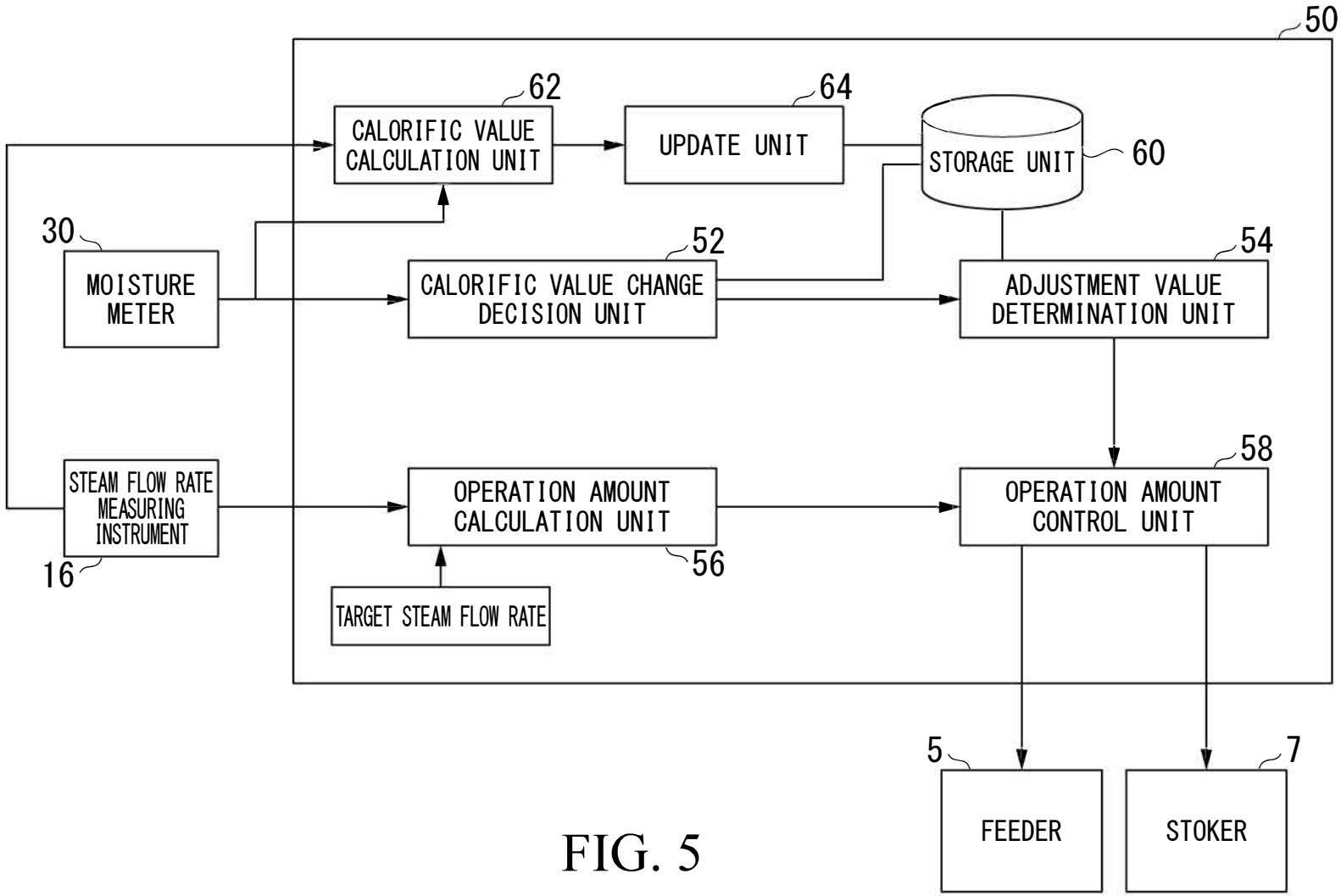
50
62
CALORIFIC VALUE CALCULATION UNIT
64
UPDATE UNIT
STORAGE UNIT
60
30
MOISTURE METER
52
CALORIFIC VALUE CHANGE DECISION UNIT
54
ADJUSTMENT VALUE DETERMINATION UNIT
58
STEAM FLOW RATE MEASURING INSTRUMENT
16
OPERATION AMOUNT CALCULATION UNIT
56
OPERATION AMOUNT CONTROL UNIT
TARGET STEAM FLOW RATE
5
FEEDER
7
STOKER

FIG. 5

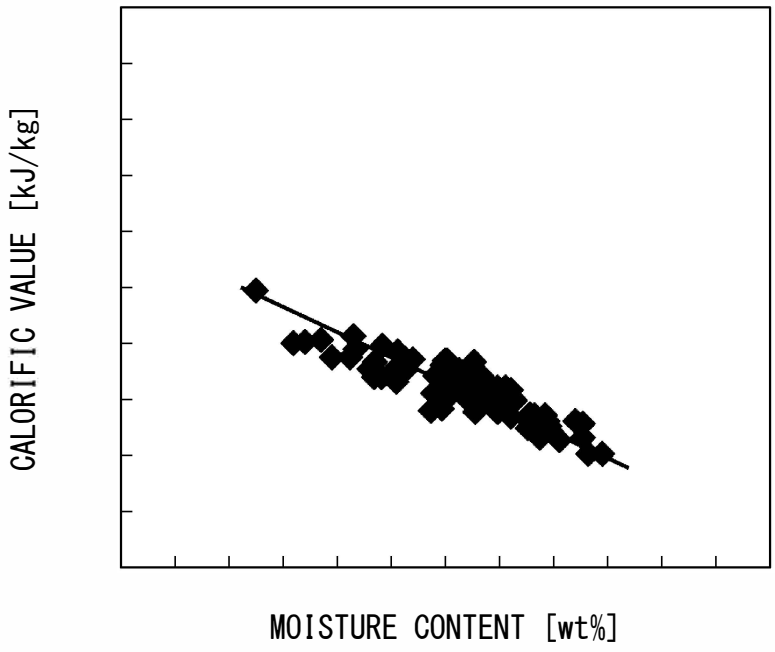

FIG. 6

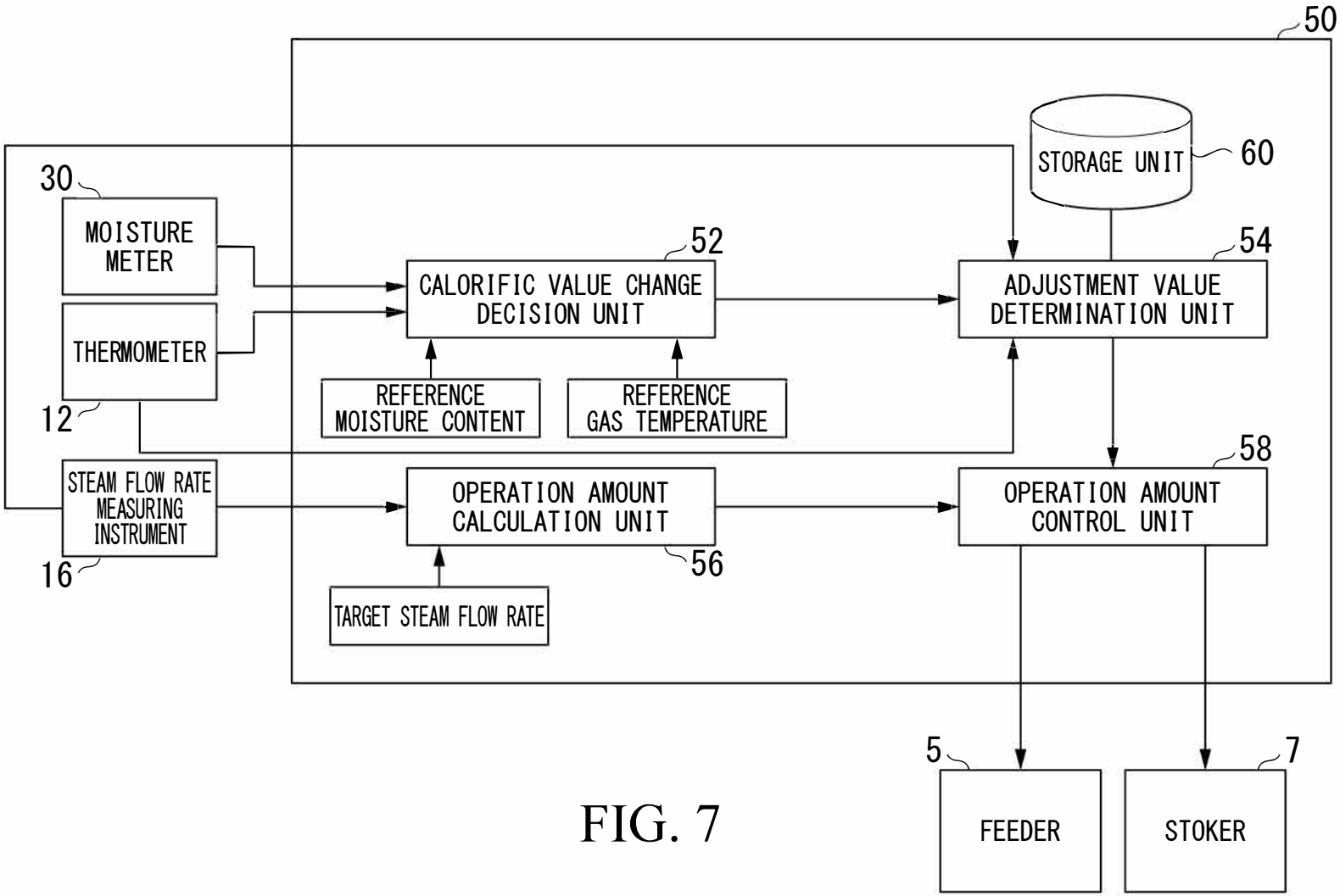
50
STORAGE UNIT
60
30
MOISTURE METER
52
CALORIFIC VALUE CHANGE DECISION UNIT
54
ADJUSTMENT VALUE DETERMINATION UNIT
THERMOMETER
REFERENCE MOISTURE CONTENT
REFERENCE GAS TEMPERATURE
12
58
STEAM FLOW RATE MEASURING INSTRUMENT
OPERATION AMOUNT CALCULATION UNIT
OPERATION AMOUNT CONTROL UNIT
56
16
TARGET STEAM FLOW RATE
5
7
FEEDER
STOKER

FIG. 7

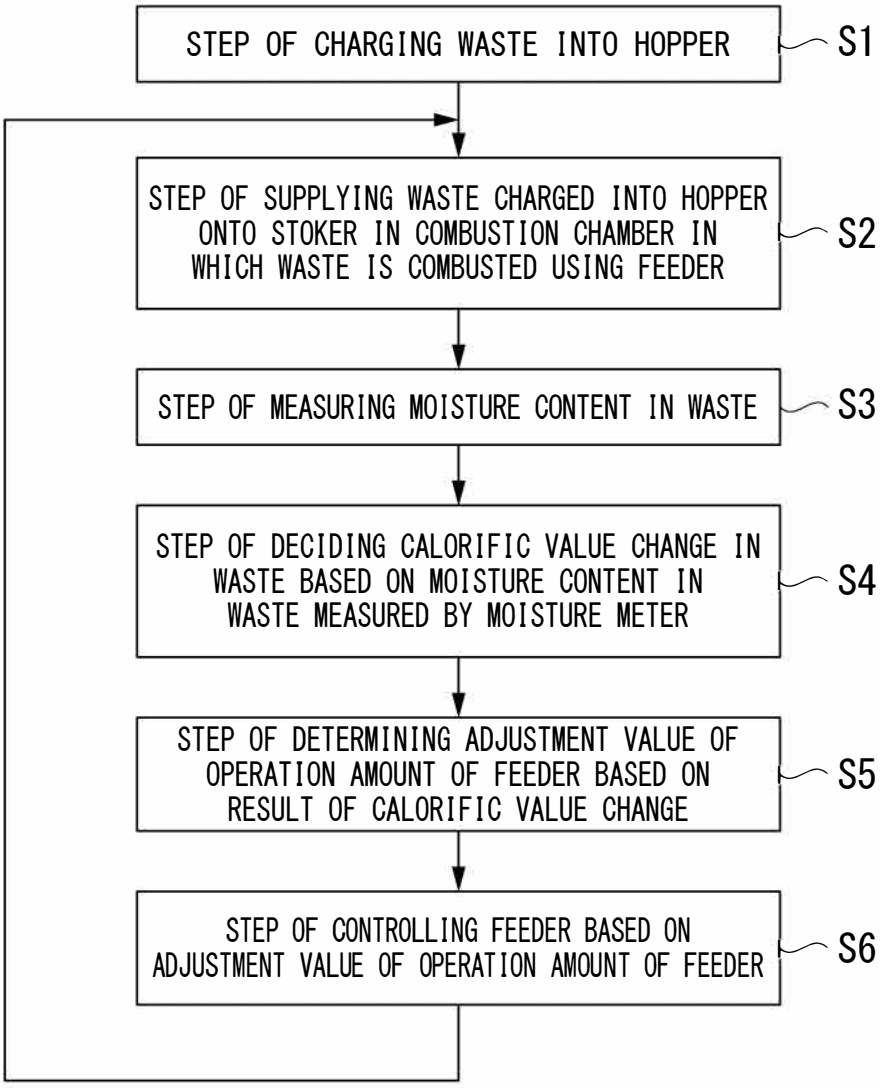
STEP OF CHARGING WASTE INTO HOPPER
S1
STEP OF SUPPLYING WASTE CHARGED INTO HOPPER ONTO STOKER IN COMBUSTION CHAMBER IN WHICH WASTE IS COMBUSTED USING FEEDER
S2
STEP OF MEASURING MOISTURE CONTENT IN WASTE
S3
STEP OF DECIDING CALORIFIC VALUE CHANGE IN WASTE BASED ON MOISTURE CONTENT IN WASTE MEASURED BY MOISTURE METER
S4
STEP OF DETERMINING ADJUSTMENT VALUE OF OPERATION AMOUNT OF FEEDER BASED ON RESULT OF CALORIFIC VALUE CHANGE
S5
STEP OF CONTROLLING FEEDER BASED ON ADJUSTMENT VALUE OF OPERATION AMOUNT OF FEEDER
S6

FIG. 8