FIG. 1

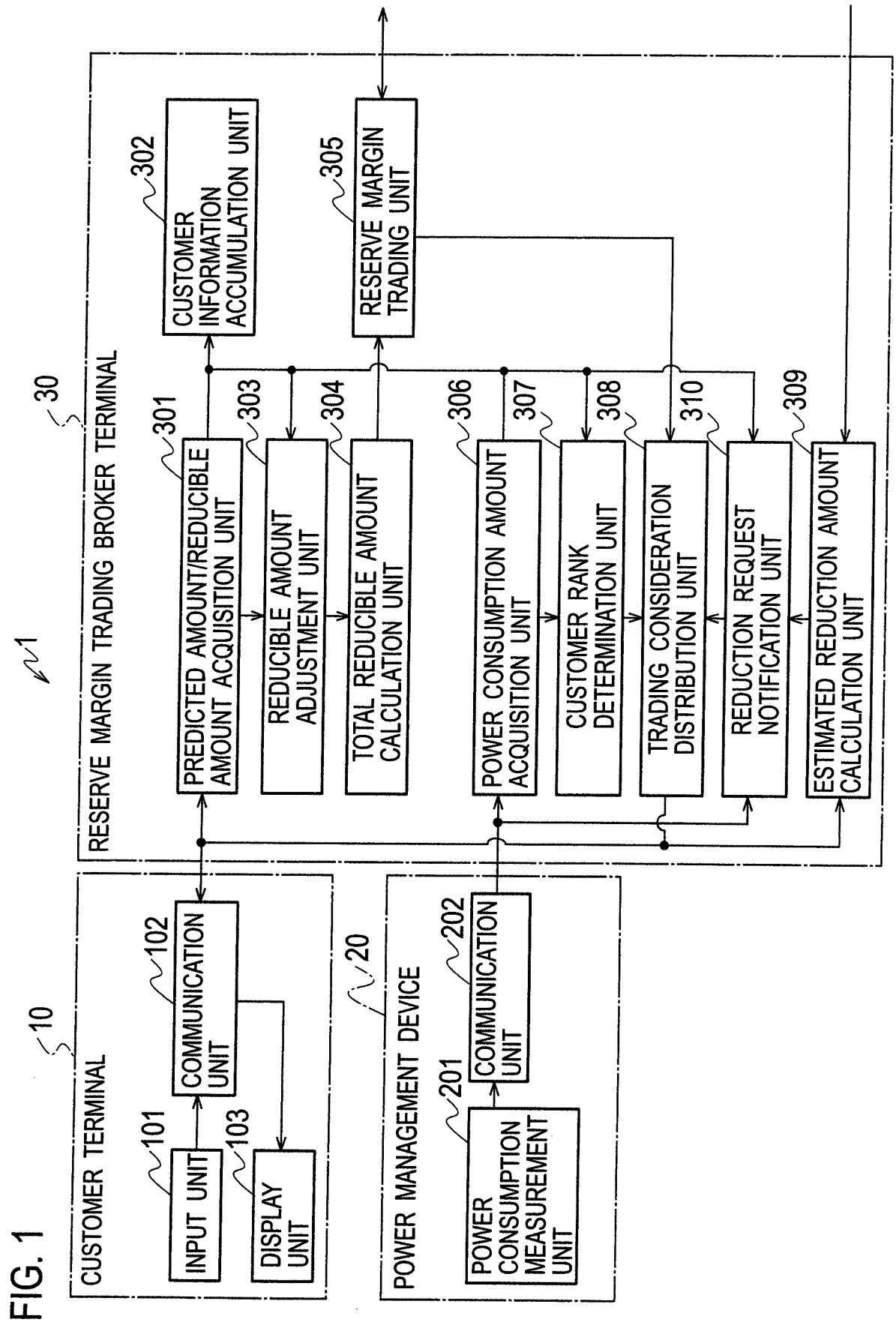

1
10
CUSTOMER TERMINAL
101
INPUT UNIT
102
COMMUNICATION UNIT
103
DISPLAY UNIT
20
POWER MANAGEMENT DEVICE
201
POWER CONSUMPTION MEASUREMENT UNIT
202
COMMUNICATION UNIT
30
RESERVE MARGIN TRADING BROKER TERMINAL
301
PREDICTED AMOUNT/REDUCIBLE AMOUNT ACQUISITION UNIT
302
CUSTOMER INFORMATION ACCUMULATION UNIT
303
REDUCIBLE AMOUNT ADJUSTMENT UNIT
304
TOTAL REDUCIBLE AMOUNT CALCULATION UNIT
305
RESERVE MARGIN TRADING UNIT
306
POWER CONSUMPTION AMOUNT ACQUISITION UNIT
307
CUSTOMER RANK DETERMINATION UNIT
308
TRADING CONSIDERATION DISTRIBUTION UNIT
309
ESTIMATED REDUCTION AMOUNT CALCULATION UNIT
310
REDUCTION REQUEST NOTIFICATION UNIT

FIG. 2

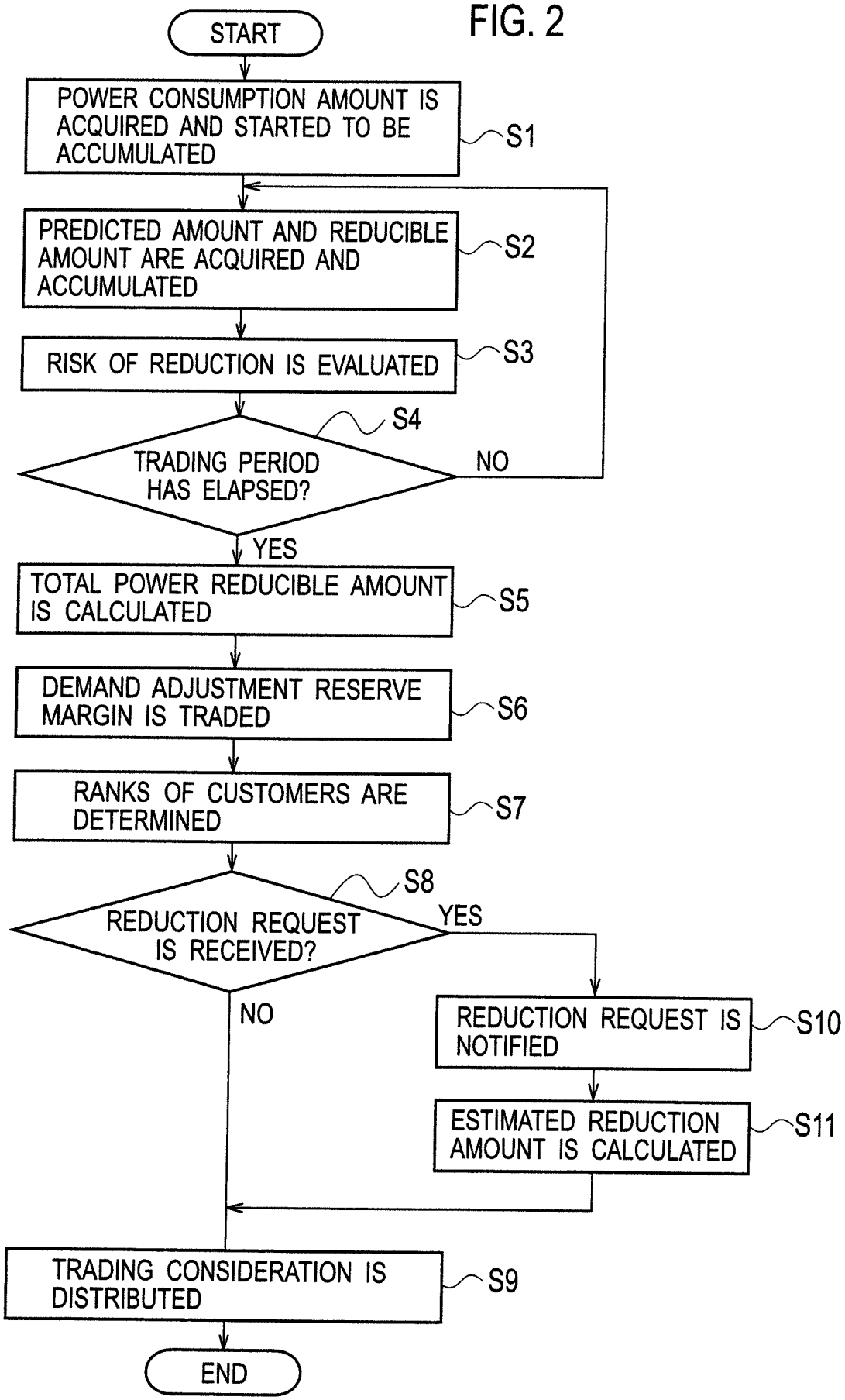

START
POWER CONSUMPTION AMOUNT IS ACQUIRED AND STARTED TO BE ACCUMULATED
S1
PREDICTED AMOUNT AND REDUCIBLE AMOUNT ARE ACQUIRED AND ACCUMULATED
S2
RISK OF REDUCTION IS EVALUATED
S3
S4
TRADING PERIOD HAS ELAPSED?
NO
YES
TOTAL POWER REDUCIBLE AMOUNT IS CALCULATED
S5
DEMAND ADJUSTMENT RESERVE MARGIN IS TRADED
S6
RANKS OF CUSTOMERS ARE DETERMINED
S7
S8
REDUCTION REQUEST IS RECEIVED?
YES
NO
REDUCTION REQUEST IS NOTIFIED
S10
ESTIMATED REDUCTION AMOUNT IS CALCULATED
S11
TRADING CONSIDERATION IS DISTRIBUTED
S9
END

FIG. 3

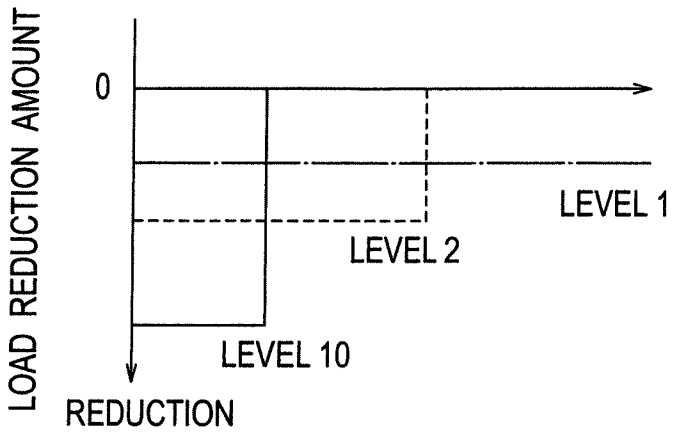
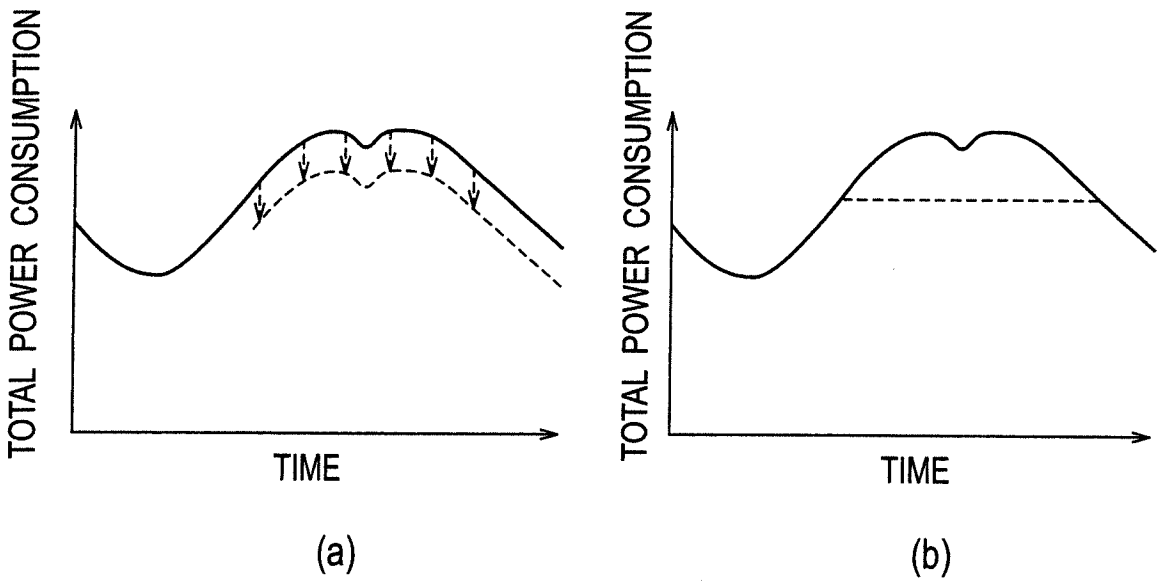

LOAD REDUCTION AMOUNT
0
LEVEL 1
LEVEL 2
LEVEL 10
REDUCTION

FIG. 4


TOTAL POWER CONSUMPTION
TIME
(a)
TOTAL POWER CONSUMPTION
TIME
(b)