

FIG.1

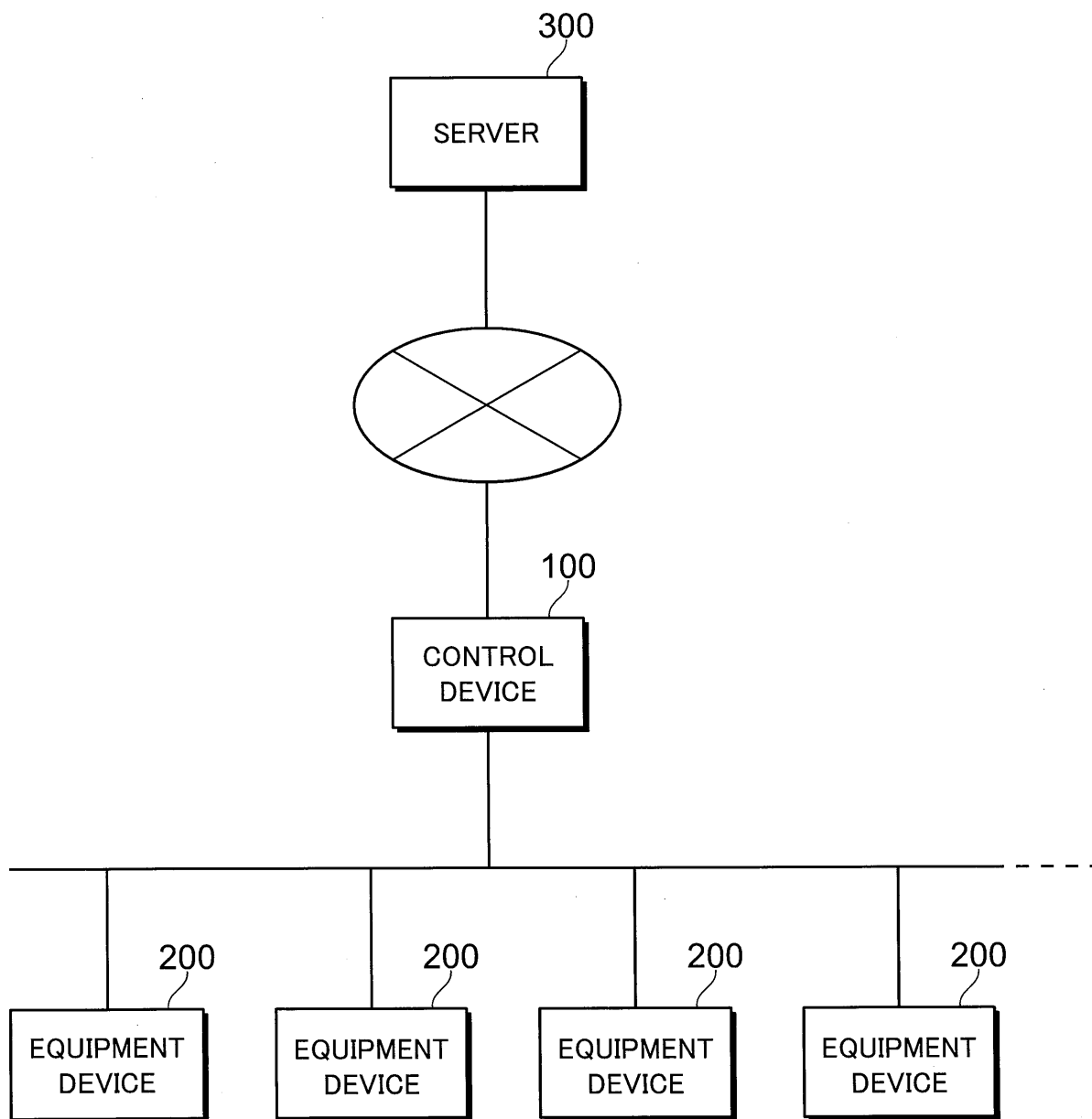


FIG.2

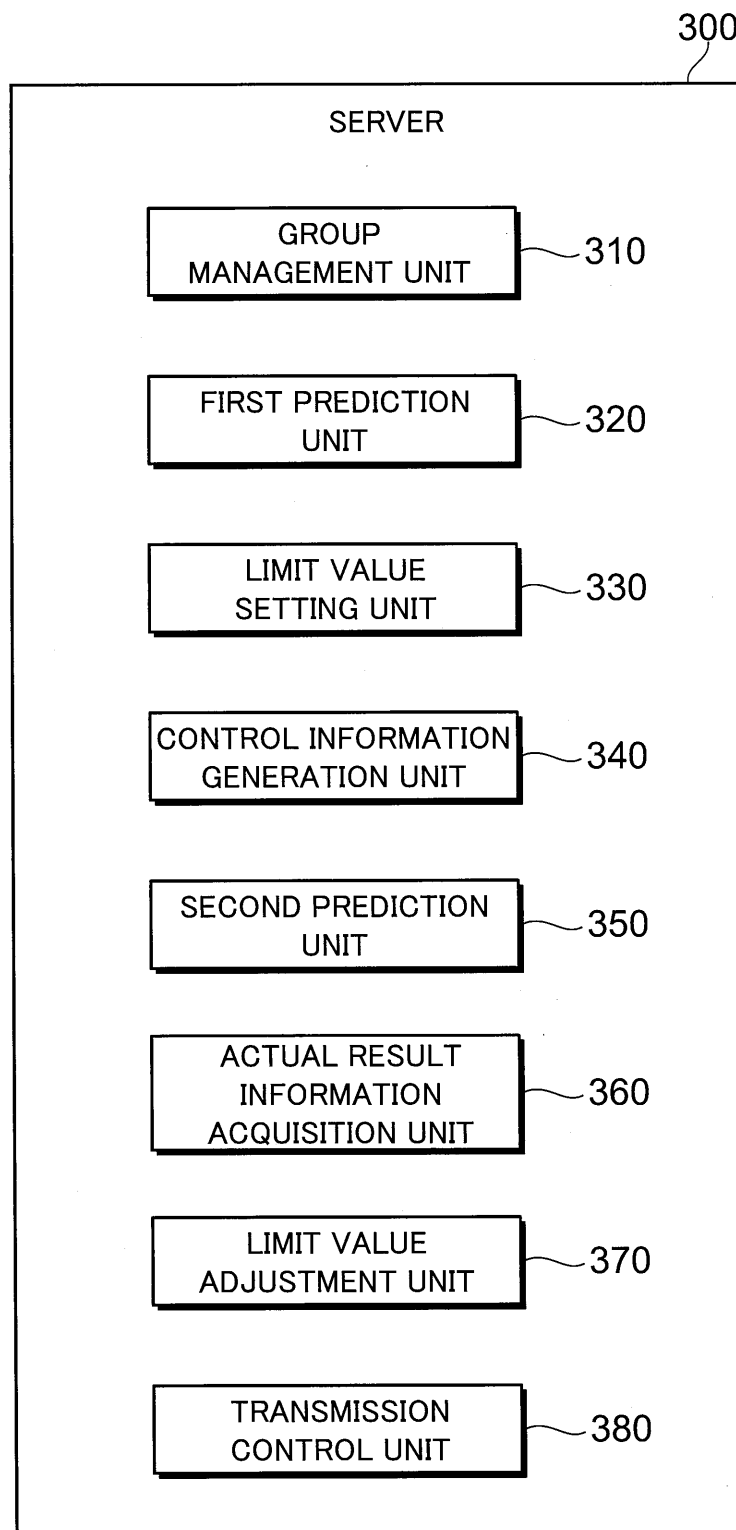


FIG.3

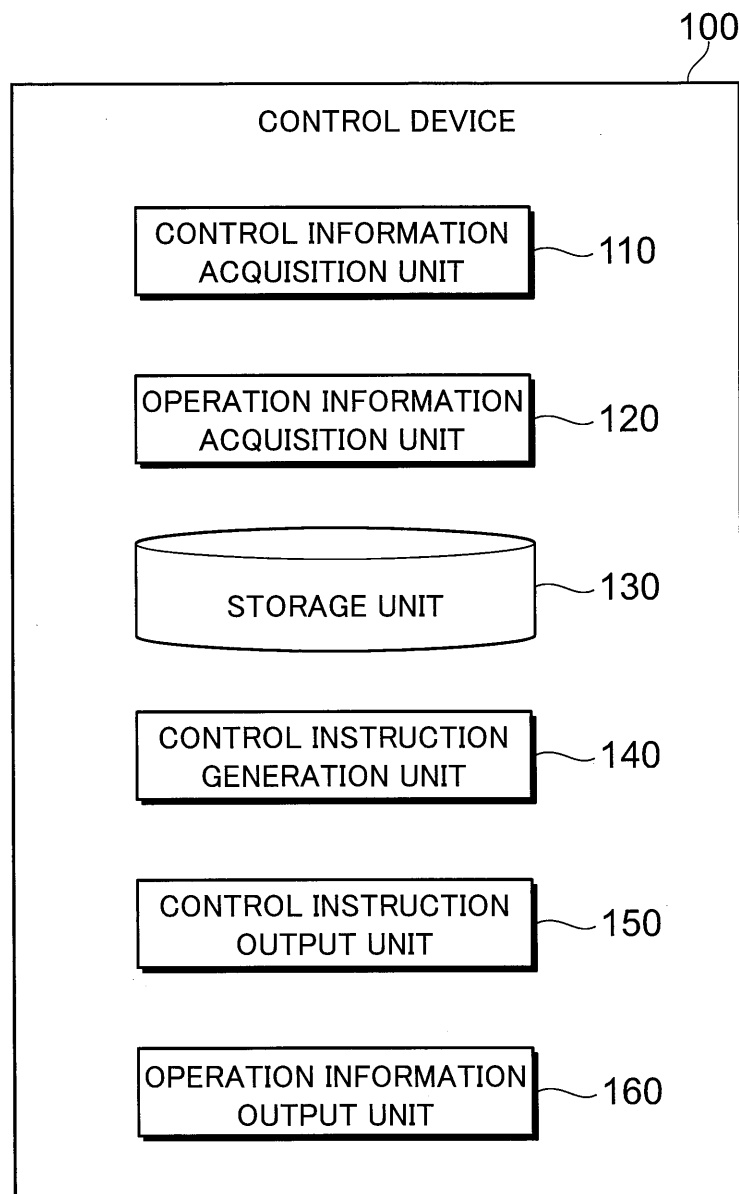


FIG.4

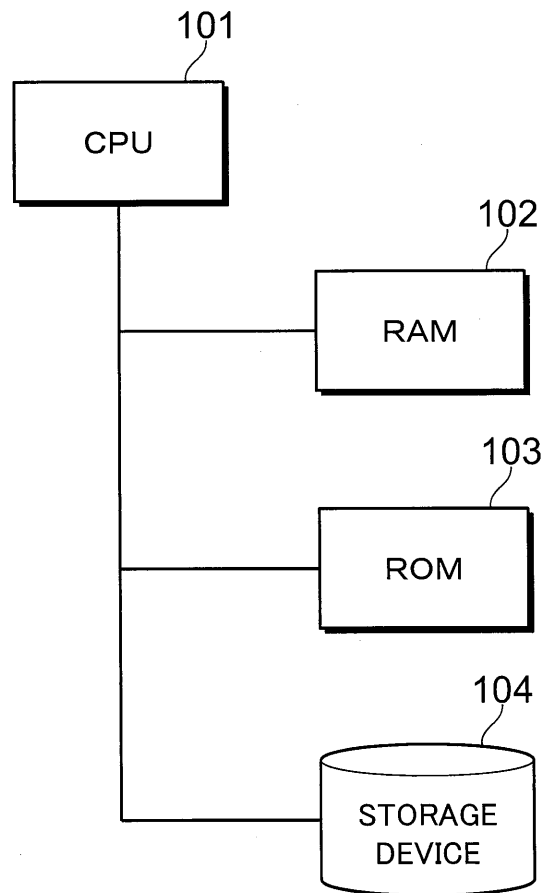


FIG.5

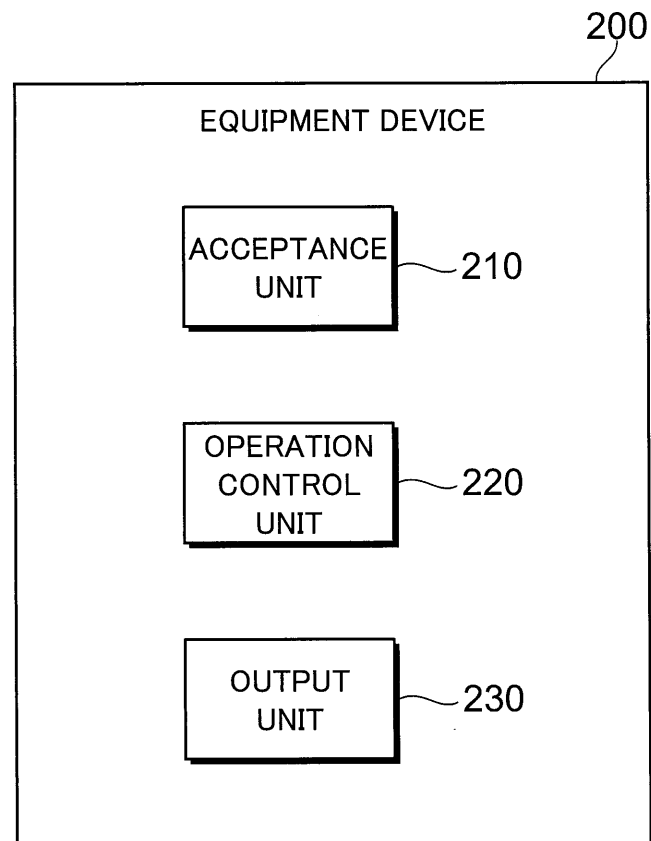


FIG.6A

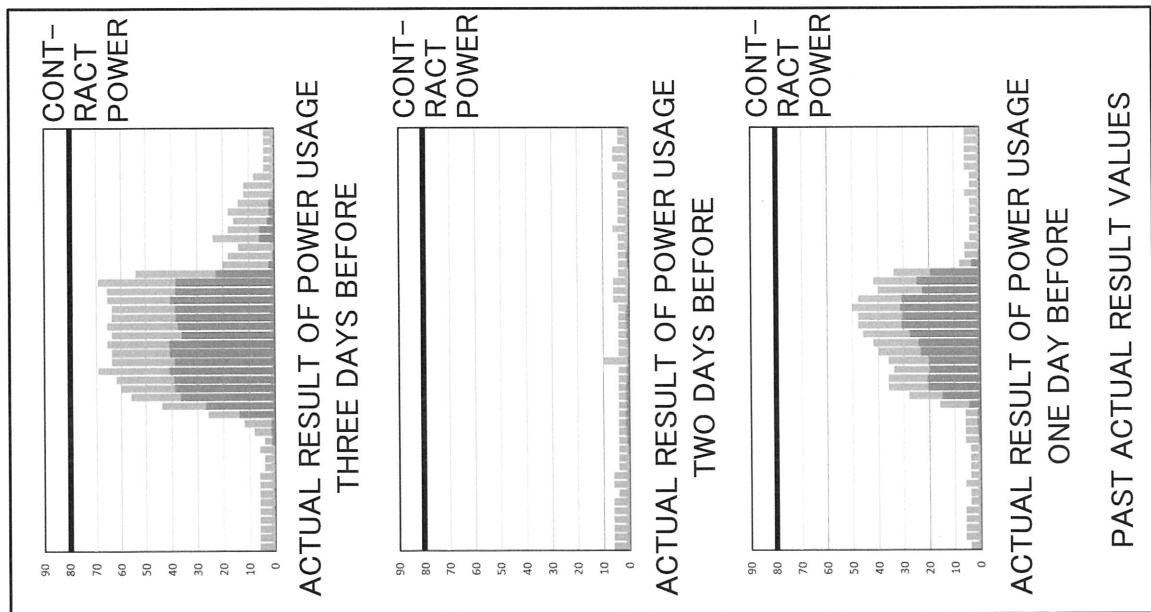


FIG.6B

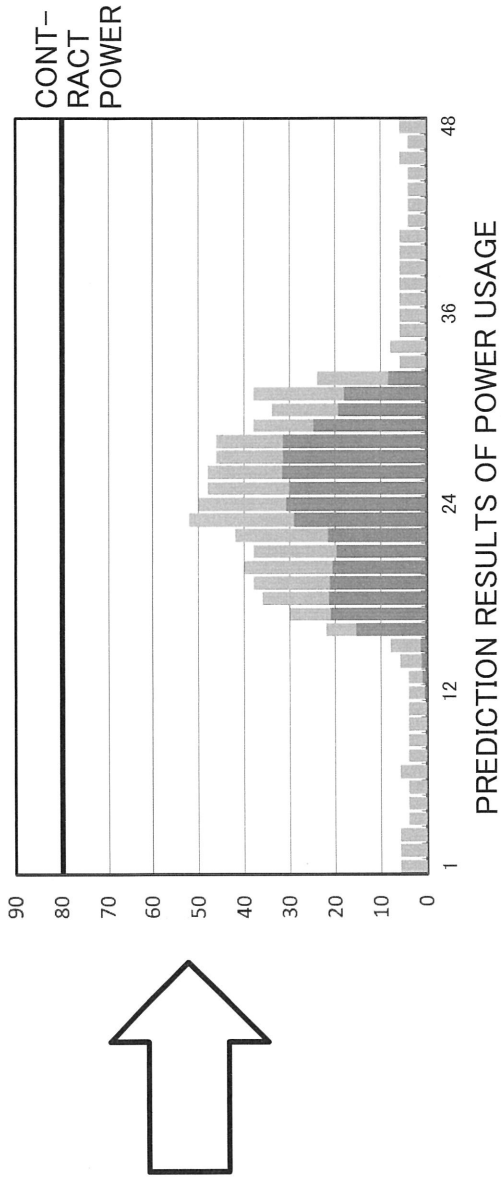


FIG.6C

TIME PERIOD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
BUILDING	4	6	6	6	6	4	4	6	4	4	4	4	6	6	6	6
AIR CONDITIONER	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.8	1.1	1.2	1.3

TIME PERIOD	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
BUILDING	16	28	36	36	34	36	40	42	46	48	48	50	48	40	42	34
AIR CONDITIONER	4.4	4.9	20.4	20.9	19.9	20.2	23.4	24.2	27.6	30.7	30.6	31.4	30.9	22.7	24.8	19.5

TIME PERIOD	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
BUILDING	8	6	6	4	4	4	4	4	6	4	4	6	6	6	6	6
AIR CONDITIONER	3.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PREDICTION OF POWER USAGE OF CONSUMER OVER 48 TIME PERIODS OF ONE DAY

FIG.7A

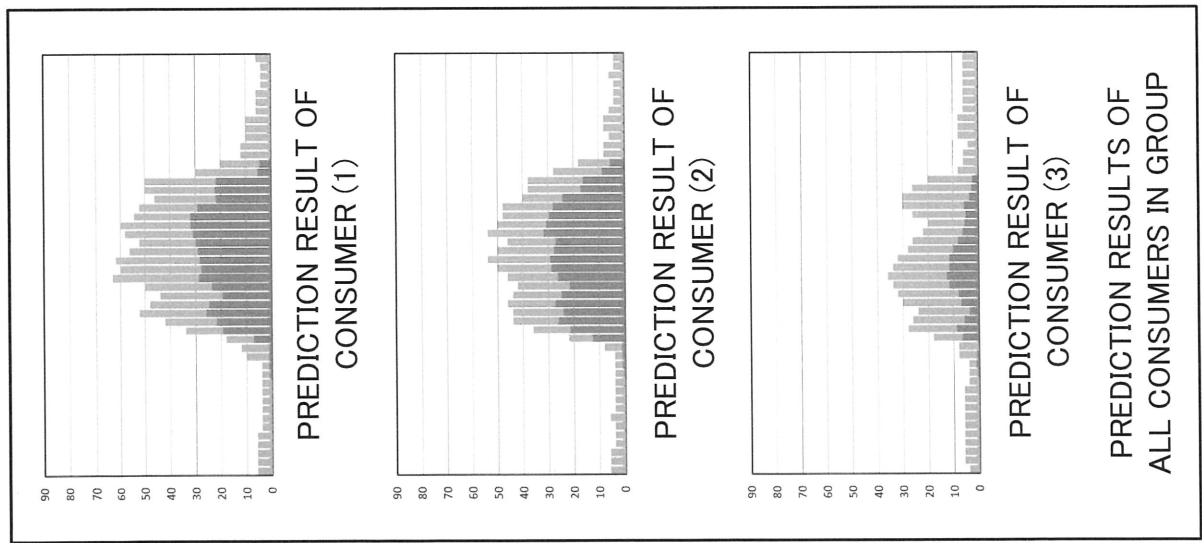
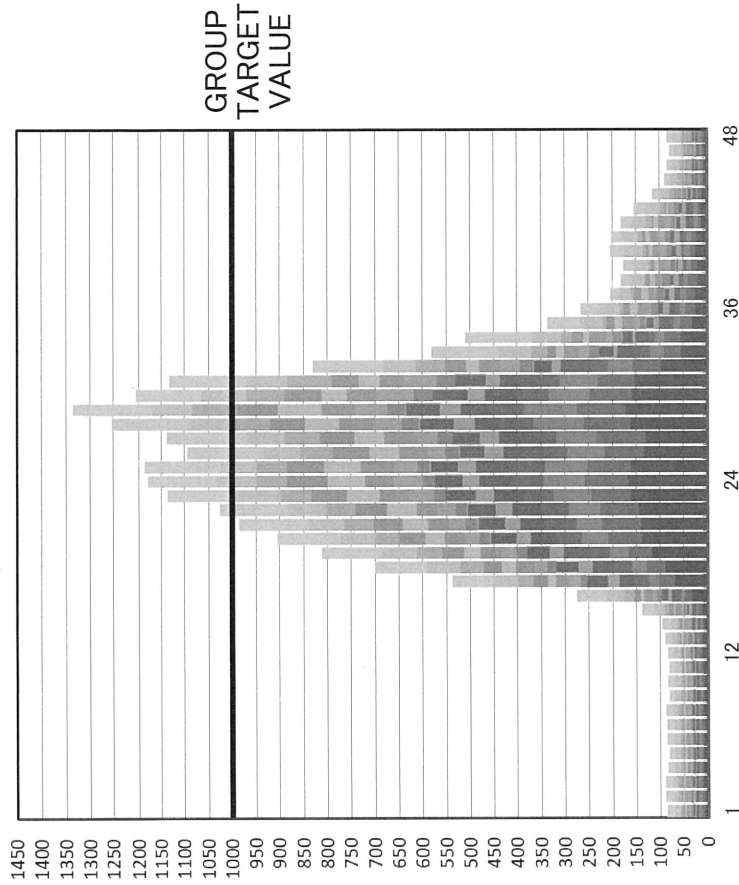


FIG.7B



PREDICTION RESULTS OF POWER USAGE OF ALL CONSUMERS IN GROUP ARE ADDED UP FOR EACH TIME PERIOD



PREDICTION RESULT OF TOTAL POWER USAGE OF ENTIRE GROUP

FIG.7C

TIME PERIOD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
TOTAL	86	90	90	84	82	86	86	88	82	84	82	84	90	96	138	276

TIME PERIOD	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
TOTAL	538	700	812	906	986	1026	1136	1180	1188	1094	1138	1254	1334	1206	1132	830

TIME PERIOD	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
TOTAL	582	510	336	266	204	182	176	204	202	182	154	116	90	84	80	84

PREDICTED VALUES OF POWER USAGE OF ENTIRE GROUP OVER 48 TIME PERIODS OF ONE DAY

FIG.8A

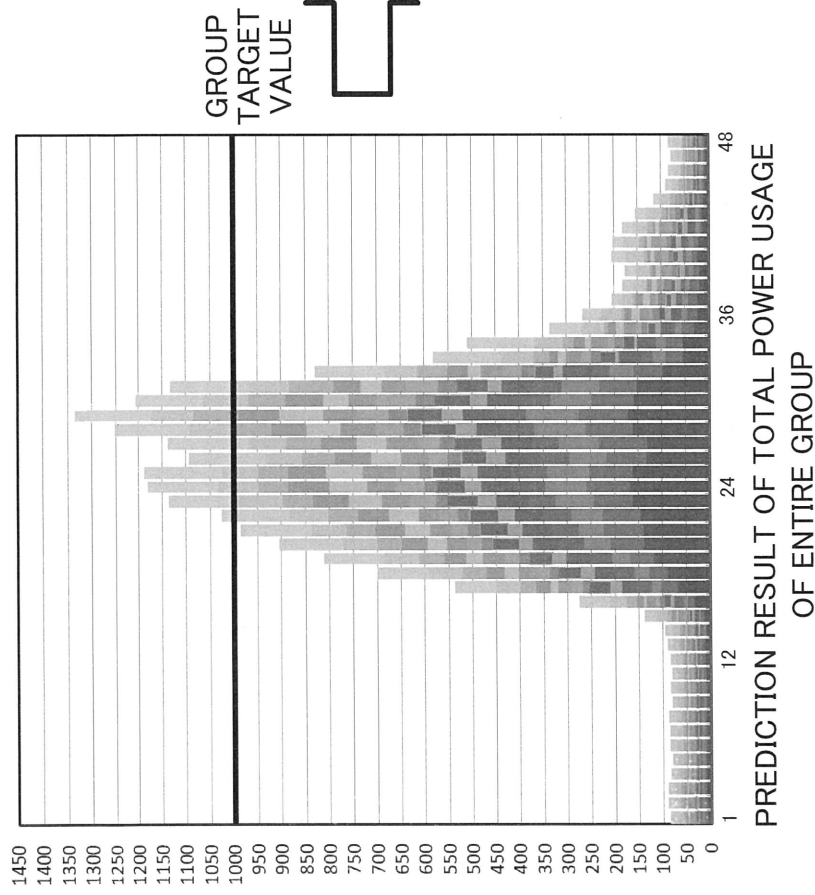


FIG.8B

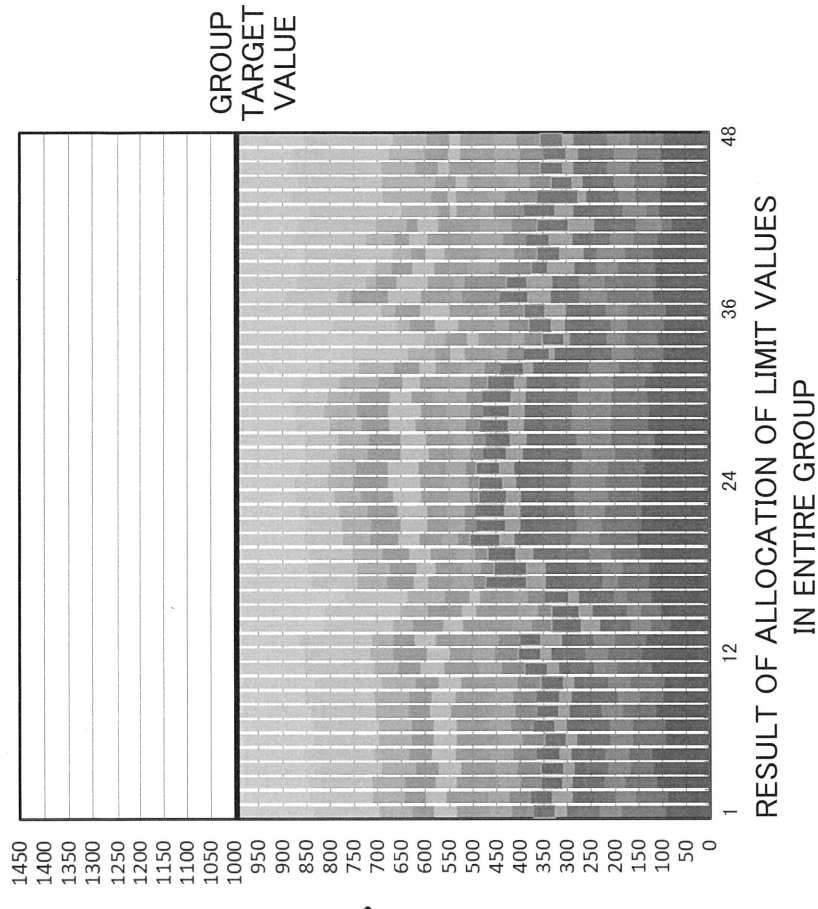
GROUP
TARGET
VALUEGROUP
TARGET
VALUE

FIG.8C

TIME PERIOD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
LIMIT VALUE	93.1	88.9	88.9	95.3	97.6	93.1	93.1	91	97.6	95.3	65.1	63.5	59.3	139	77.3	164	94.2	83.9	85.4	88.3	89.3	80.6	65.8	61

TIME PERIOD	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
LIMIT VALUE	74.1	82.9	84.4	85.1	78	75.2	75.4	99.6	156	188	119	50.2	52.3	58.6	60.6	52.3	39.6	44	34.6	46	88.9	63.5	66.7	63.5

LIMIT VALUES OF CONSUMER (1)

FIG.9

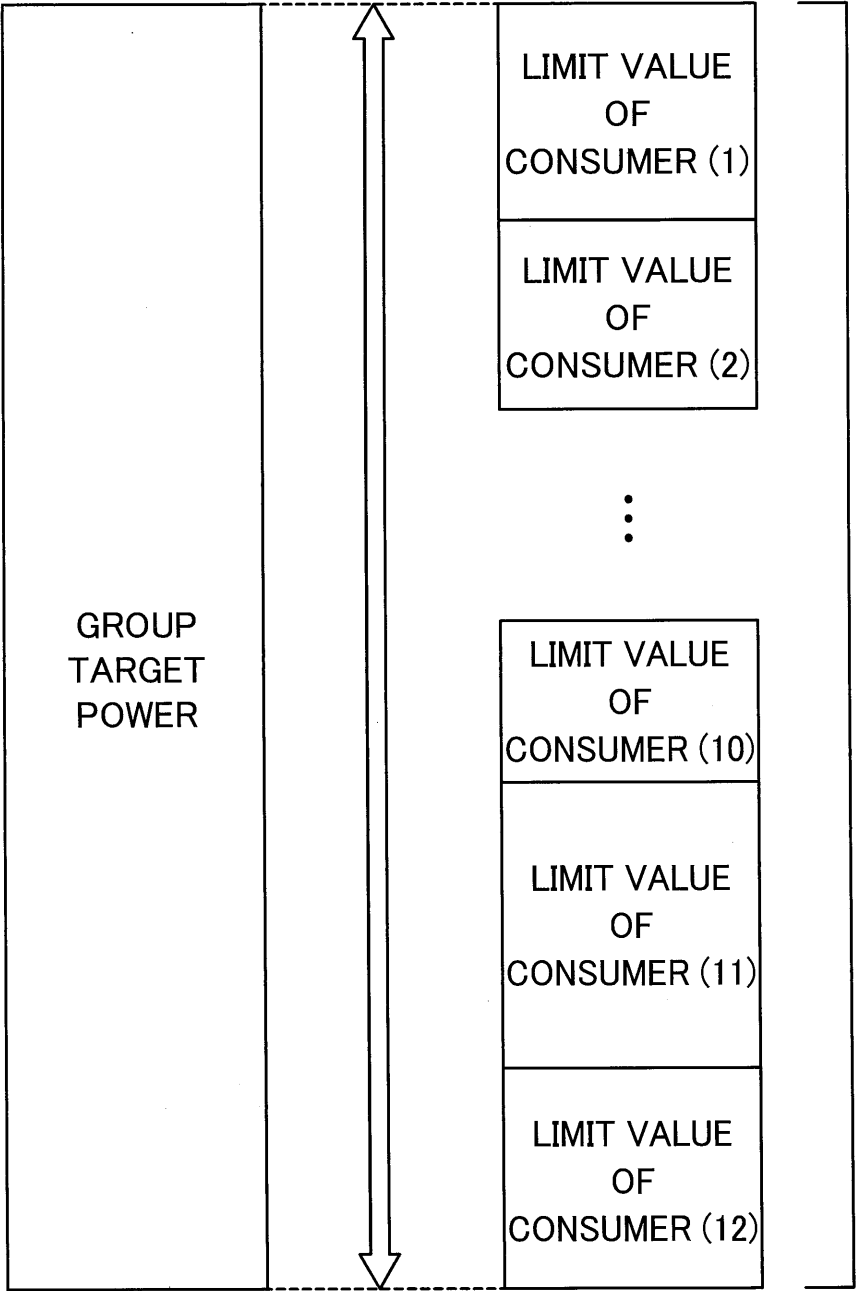
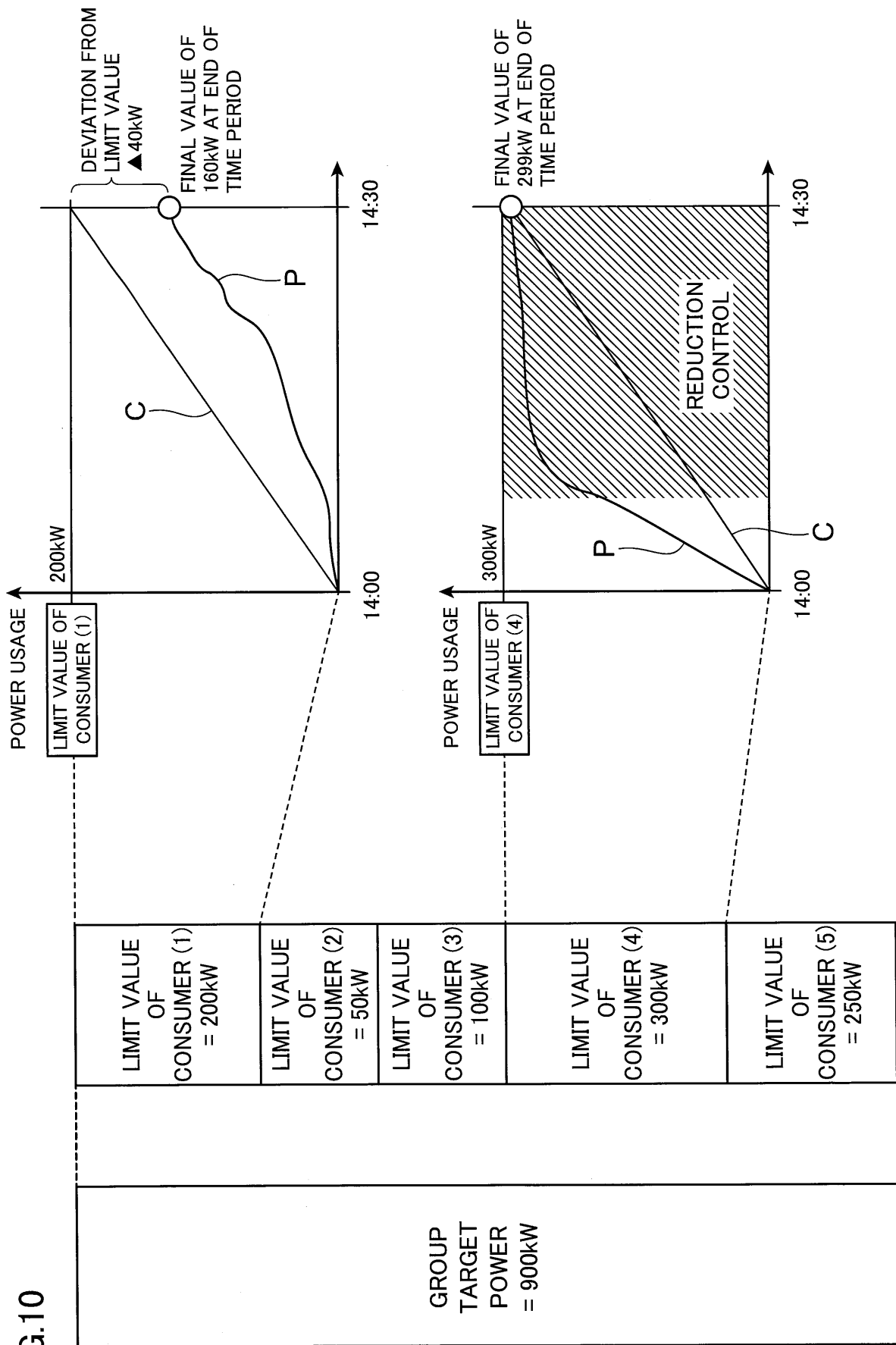


FIG.10



TIME PERIOD 14:00 TO 14:30

FIG.11

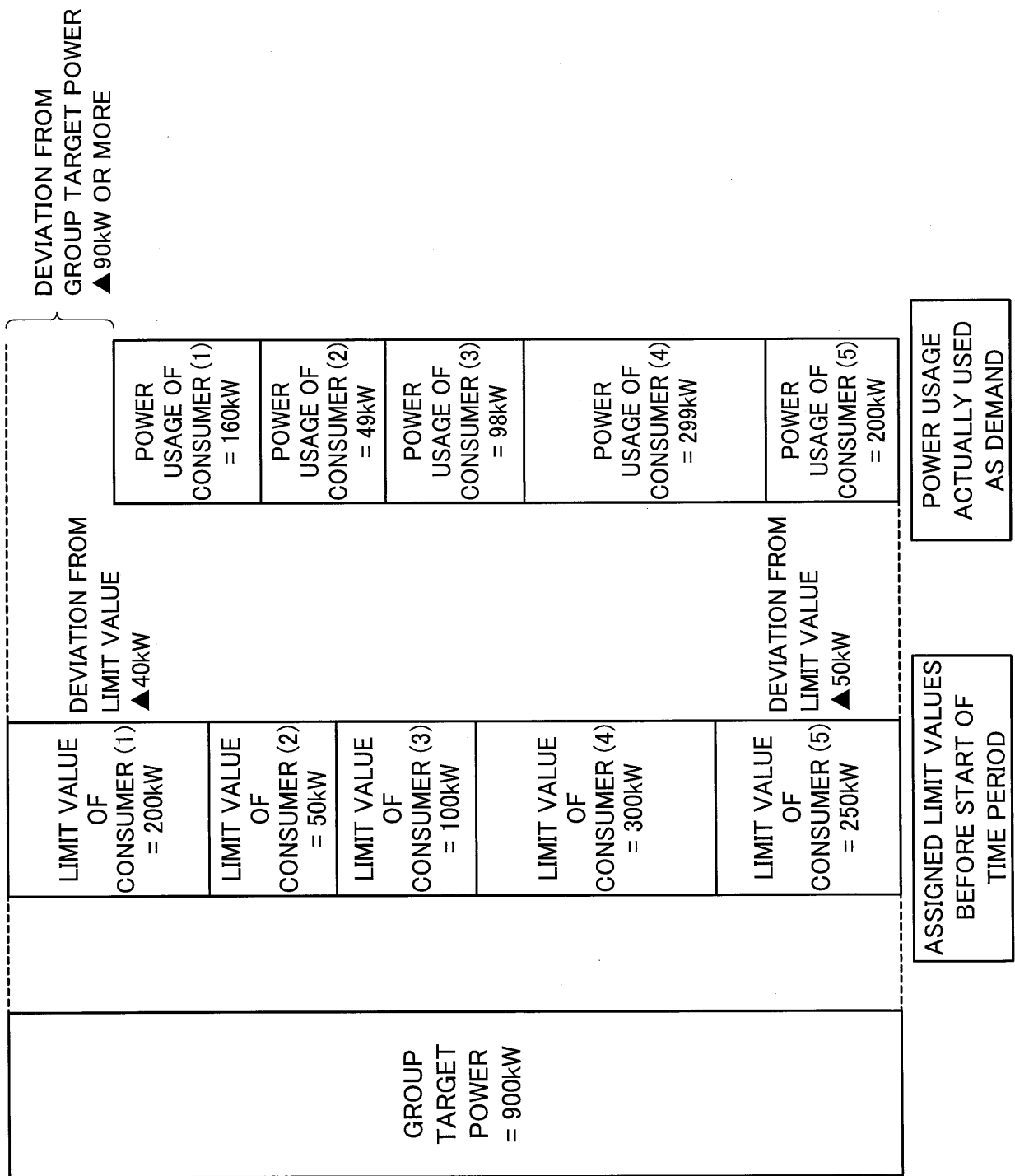


FIG.12

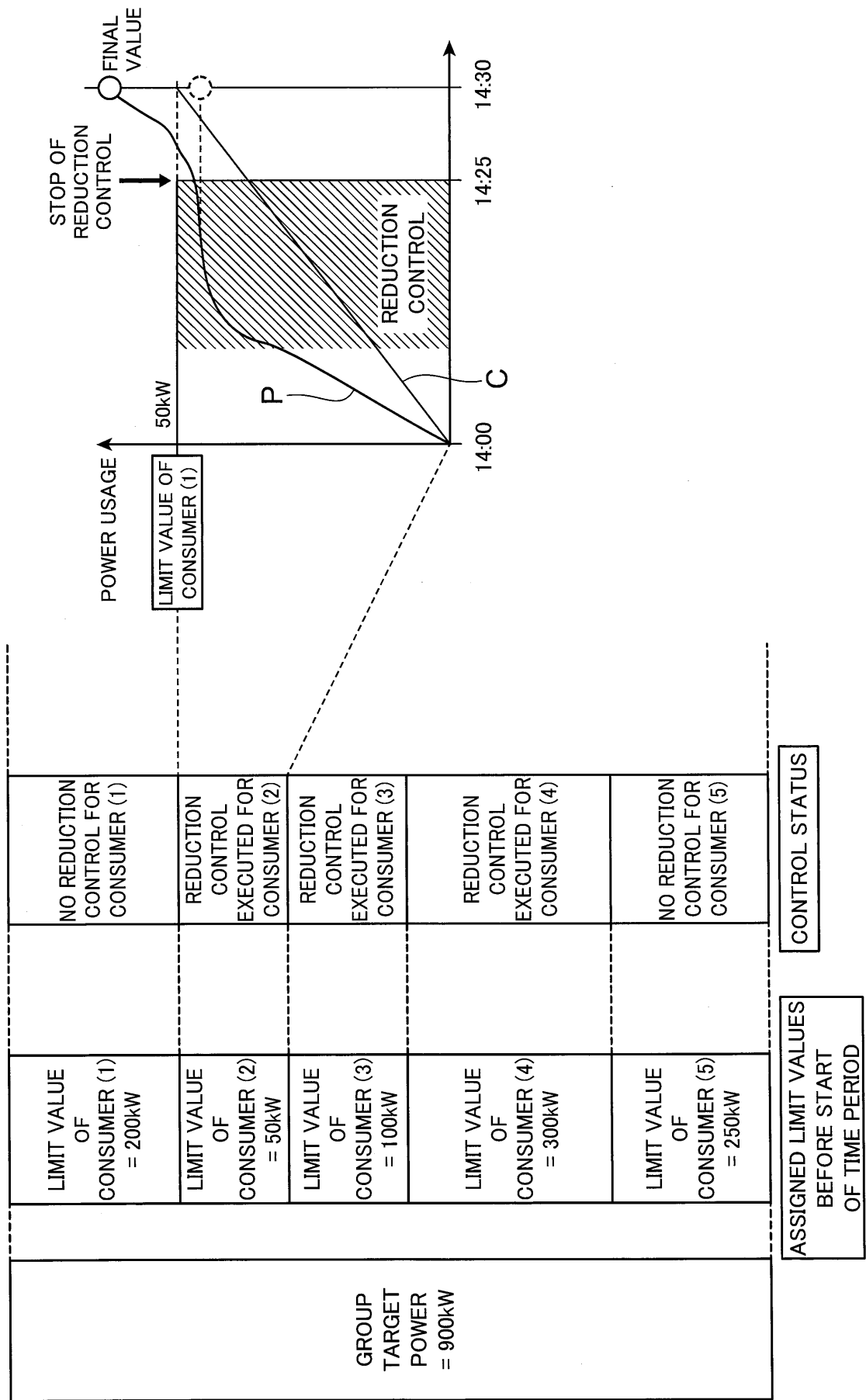


FIG.13

GROUP TARGET POWER = 900kW	LIMIT VALUE OF CONSUMER (1) = 200kW		NO REDUCTION CONTROL FOR CONSUMER (1)	DEVIATION FROM LIMIT VALUE ▲ 40kW	REALLOCATION VALUE OF CONSUMER (1) = 180kW	LIMIT VALUE — 20kW
	LIMIT VALUE OF CONSUMER (2) = 50kW		REDUCTION CONTROL EXECUTED FOR CONSUMER (2)		REALLOCATION VALUE OF CONSUMER (2) = 55kW	LIMIT VALUE + 5kW LOW REDUCTION CONTROL
	LIMIT VALUE OF CONSUMER (3) = 100kW		REDUCTION CONTROL EXECUTED FOR CONSUMER (3)		REALLOCATION VALUE OF CONSUMER (3) = 110kW	LIMIT VALUE + 10kW LOW REDUCTION CONTROL
	LIMIT VALUE OF CONSUMER (4) = 300kW		REDUCTION CONTROL EXECUTED FOR CONSUMER (4)		REALLOCATION VALUE OF CONSUMER (4) = 330kW	LIMIT VALUE + 30kW LOW REDUCTION CONTROL
	LIMIT VALUE OF CONSUMER (5) = 250kW		NO REDUCTION CONTROL FOR CONSUMER (5)	DEVIATION FROM LIMIT VALUE ▲ 50kW	REALLOCATION VALUE OF CONSUMER (5) = 225kW	LIMIT VALUE — 25kW
ASSIGNED LIMIT VALUES BEFORE START OF TIME PERIOD		CONTROL STATUS		LIMIT VALUES AFTER REALLOCATION		