

FIG.1

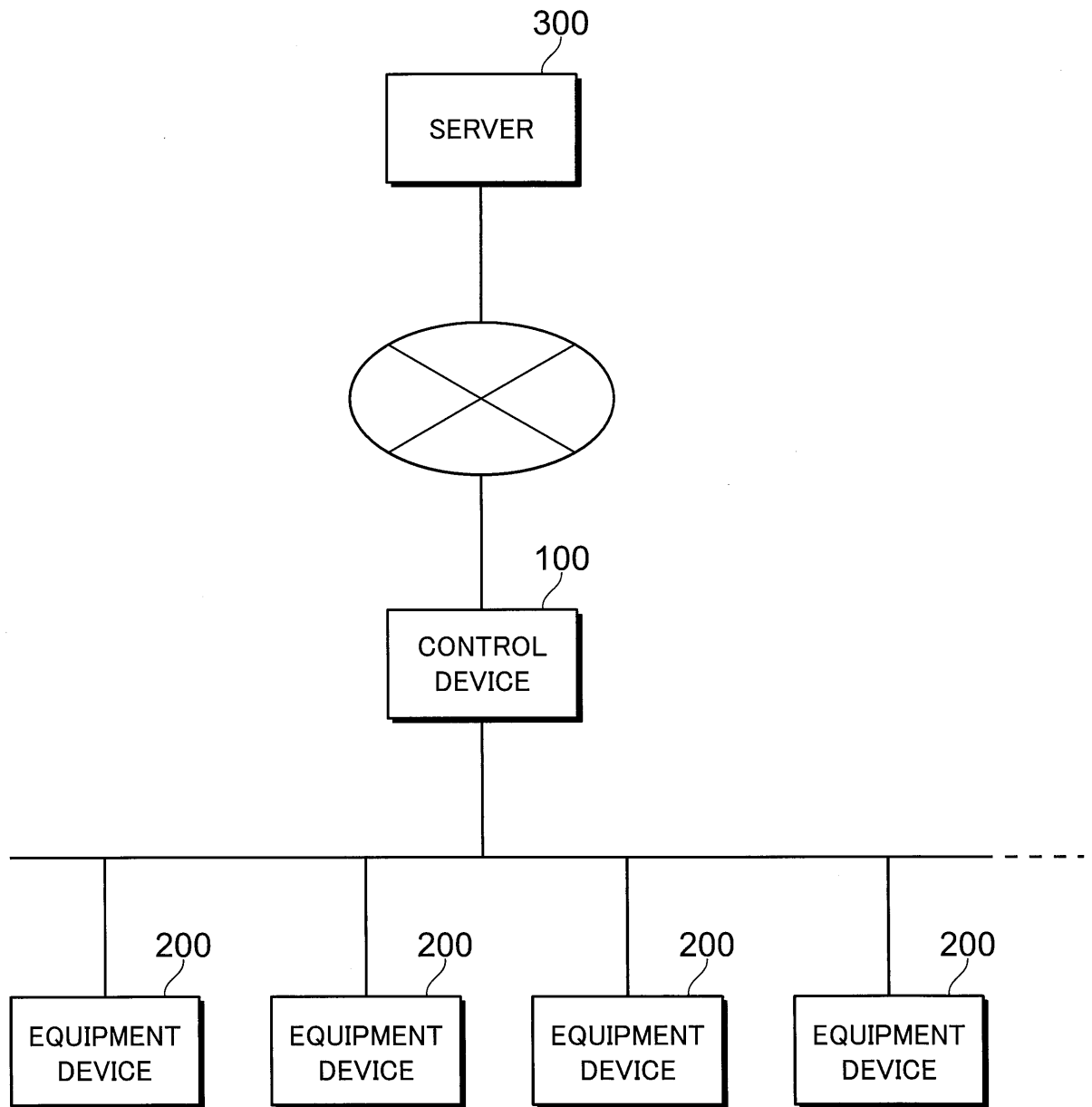


FIG.2

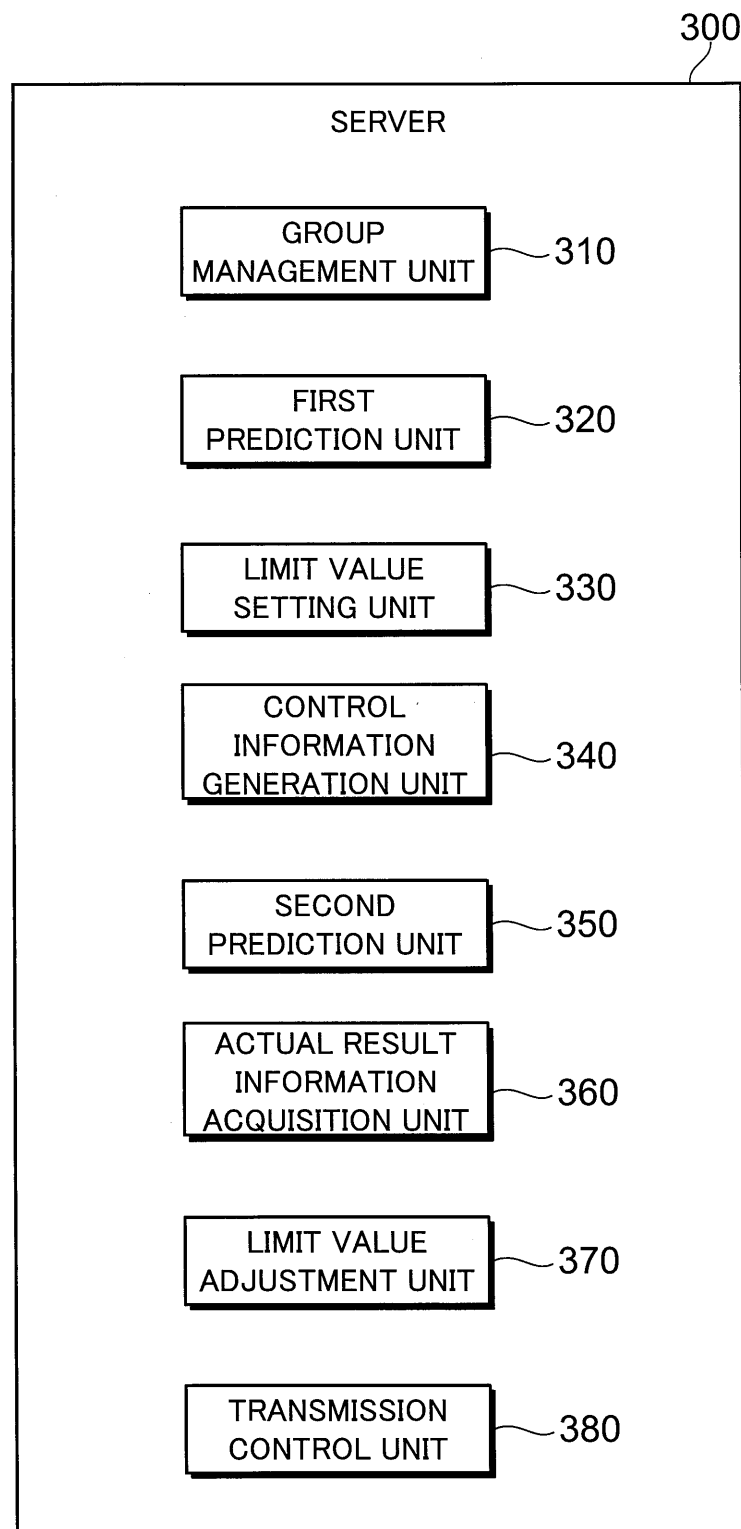


FIG.3

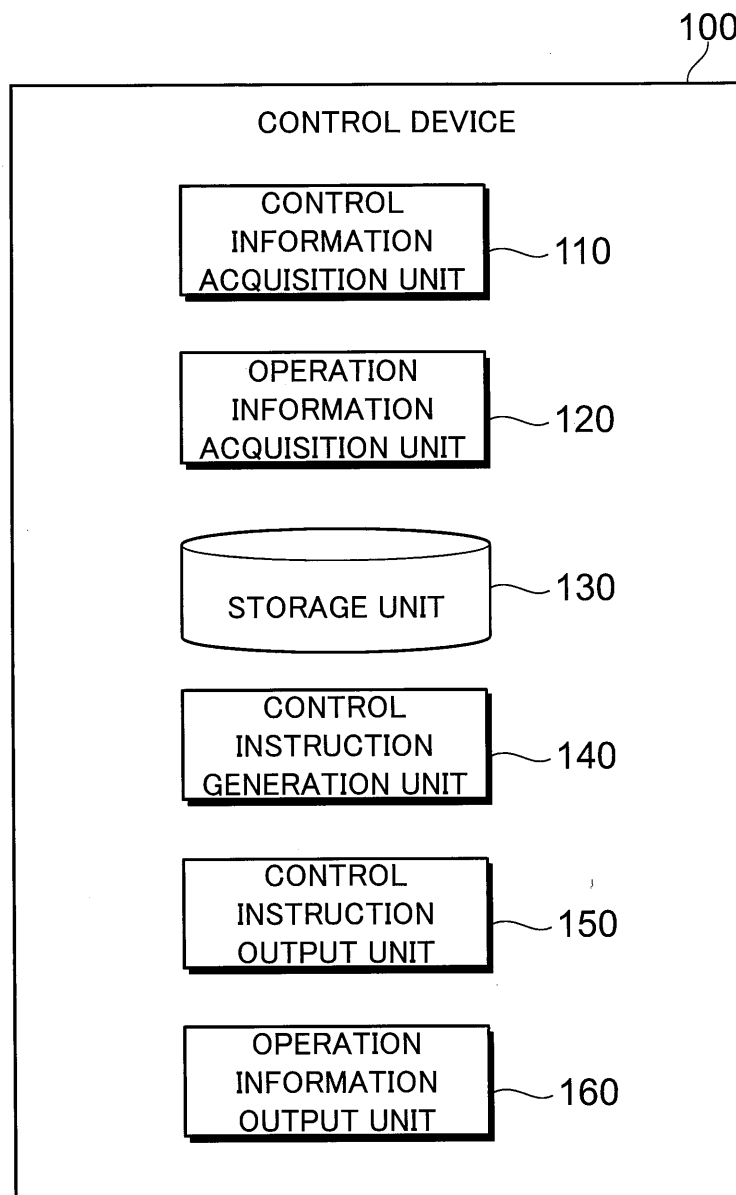


FIG.4

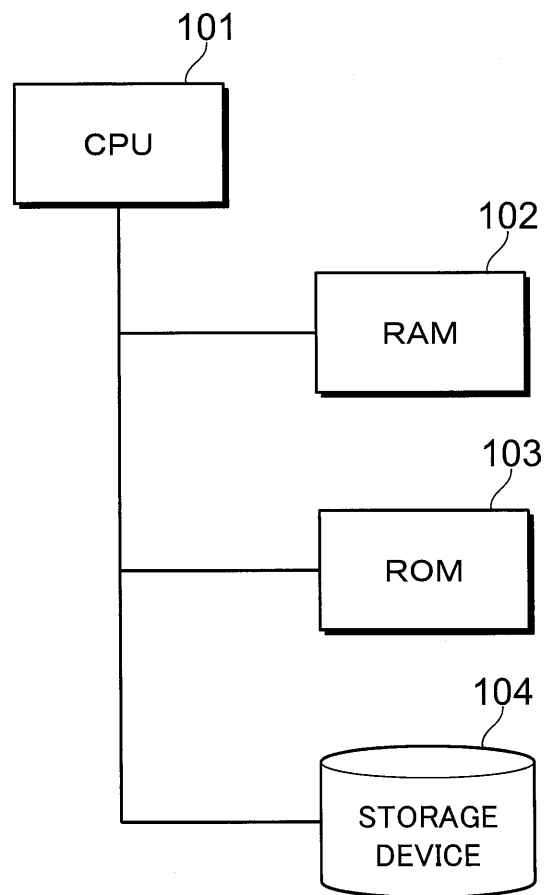


FIG.5

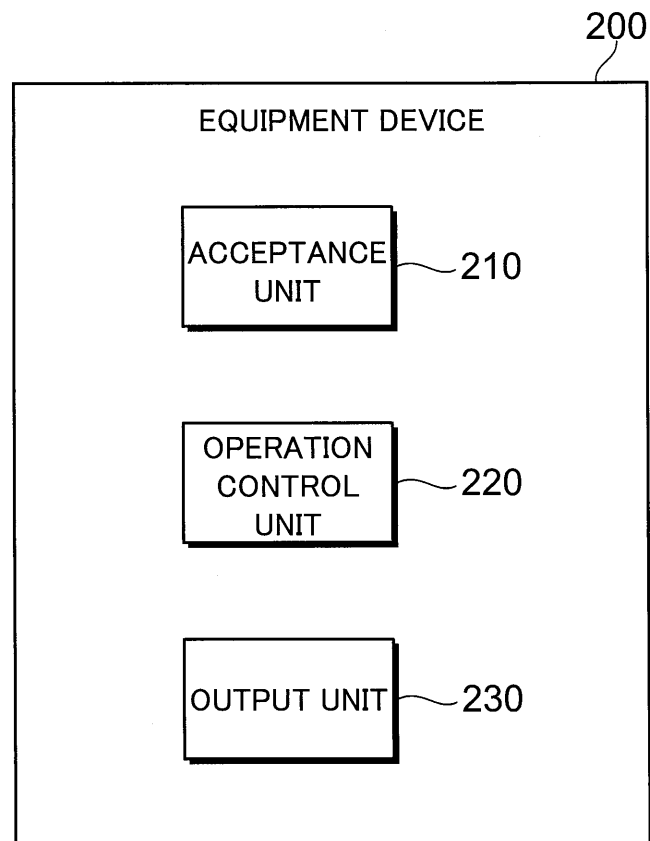


FIG.6A

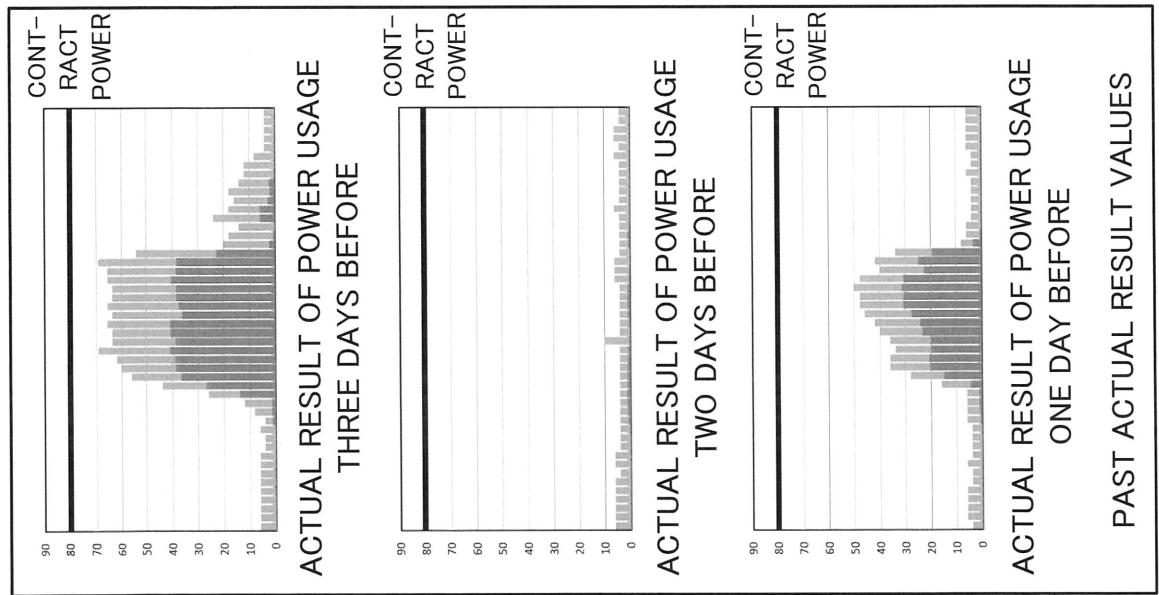


FIG.6B

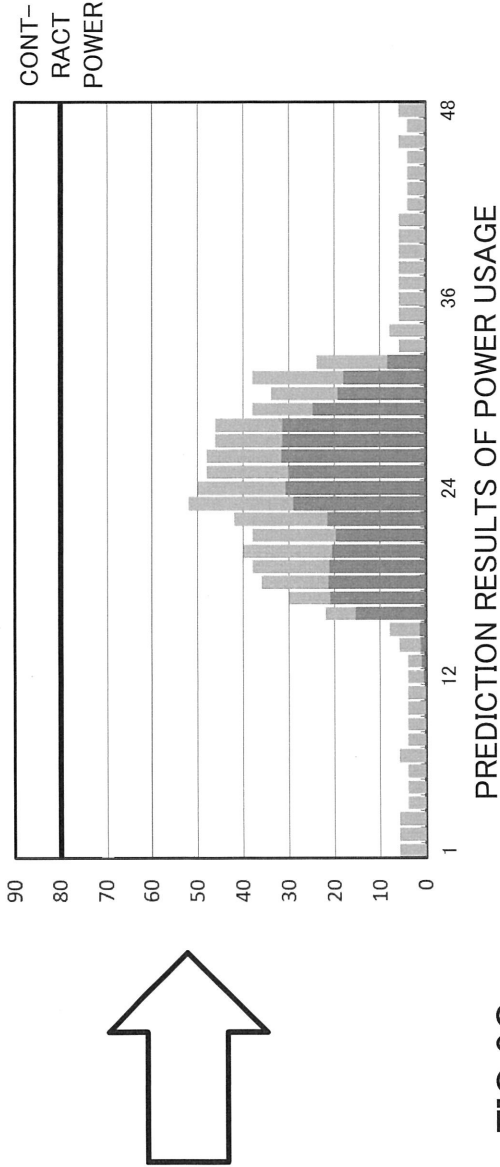


FIG.6C

|                                 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| TIME<br>PERIOD<br>BUILD-<br>ING | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  |
| AIR<br>CONDI-<br>TIONER         | 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<br>PERIOD<br>BUILD-<br>ING | 17  | 18  | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 28   | 29   | 30   | 31   | 32   |
| AIR<br>CONDI-<br>TIONER         | 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<br>PERIOD<br>BUILD-<br>ING | 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40  | 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48  |
| AIR<br>CONDI-<br>TIONER         | 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

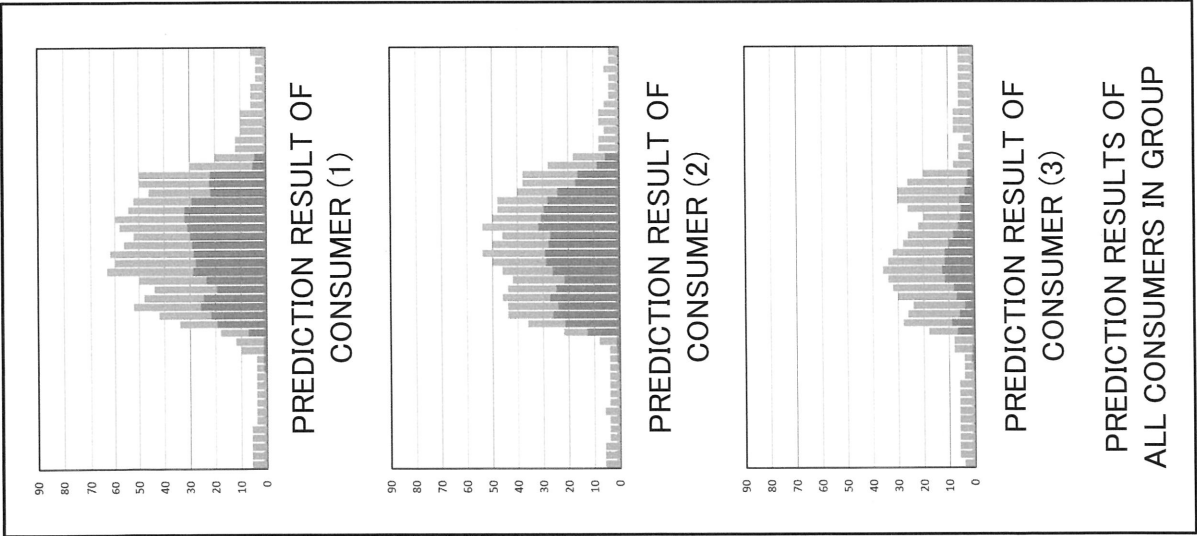
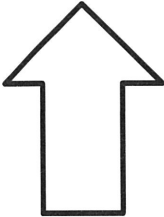


FIG.7B



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

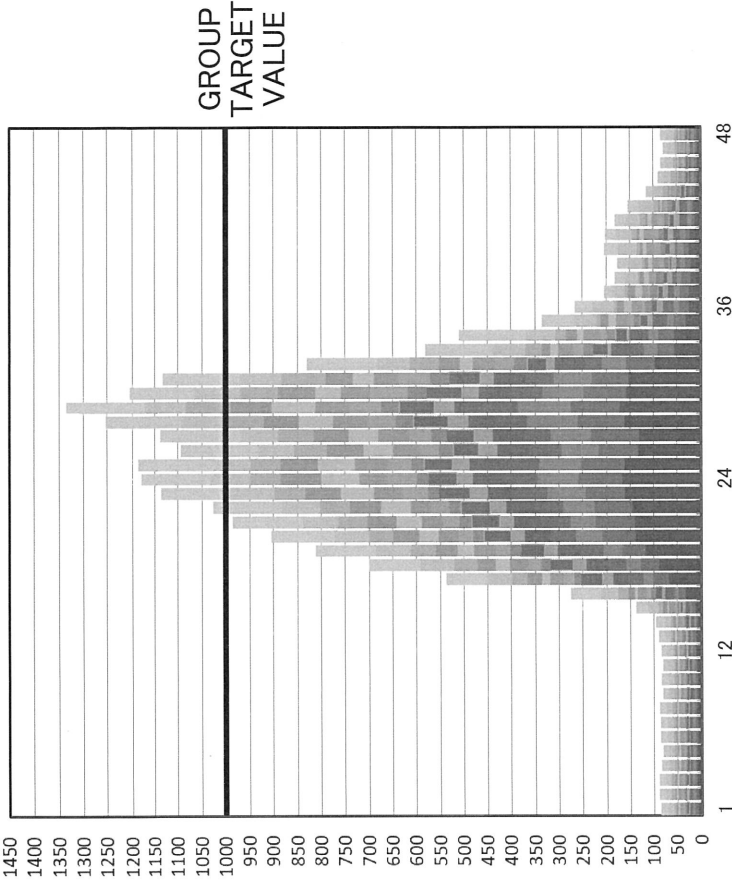


FIG.7C PREDICTION RESULT OF TOTAL POWER USAGE OF ENTIRE GROUP

| 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

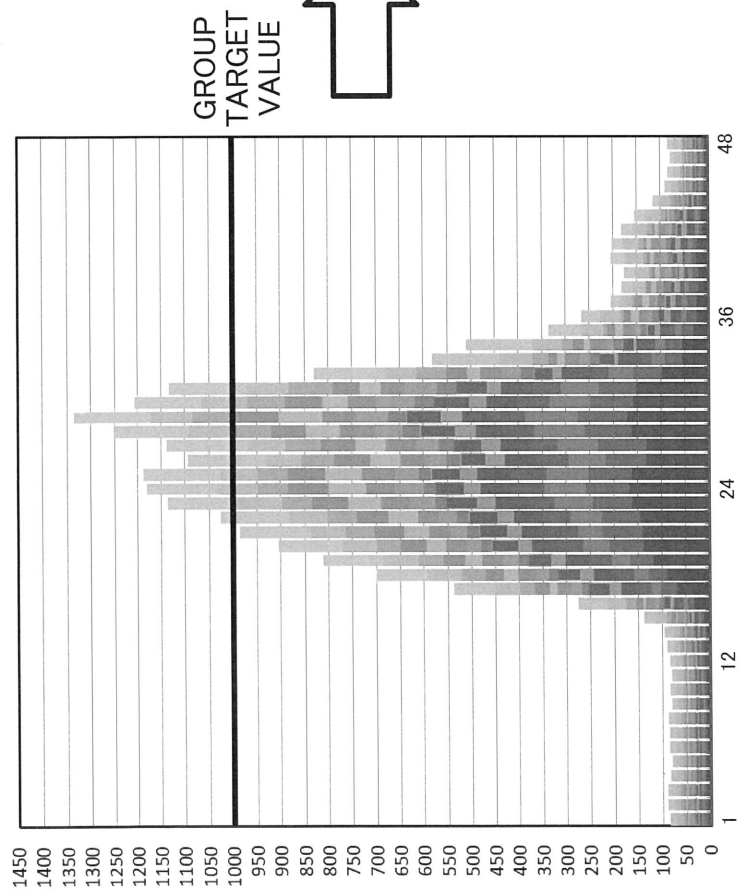


FIG.8B

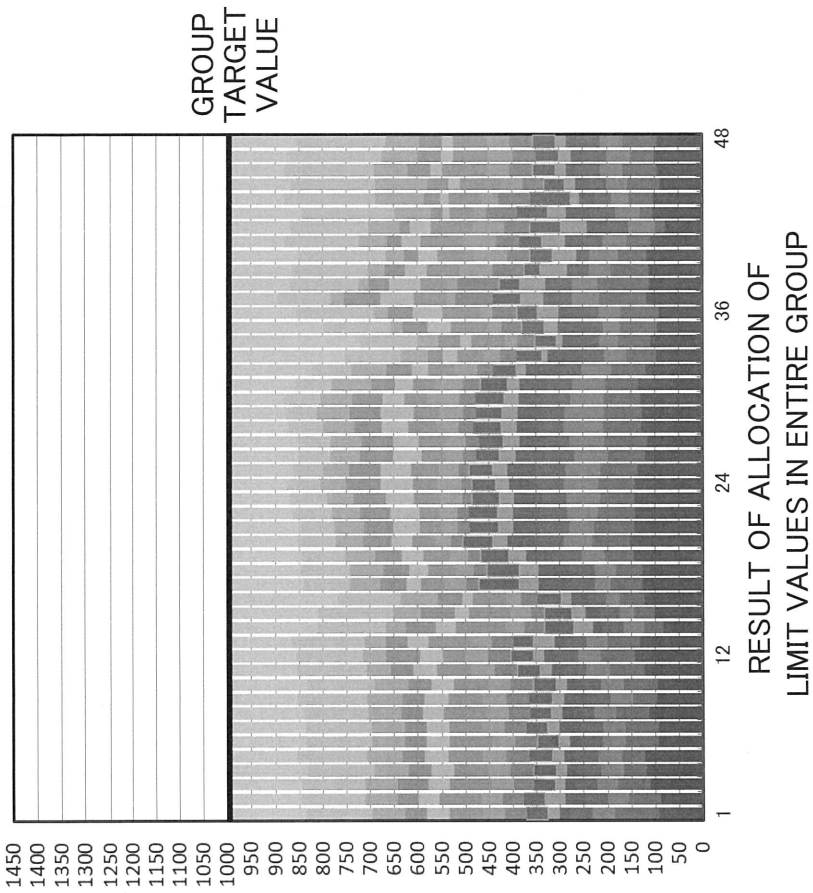


FIG.8C

| 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 VALUE OF CONSUMER (1)

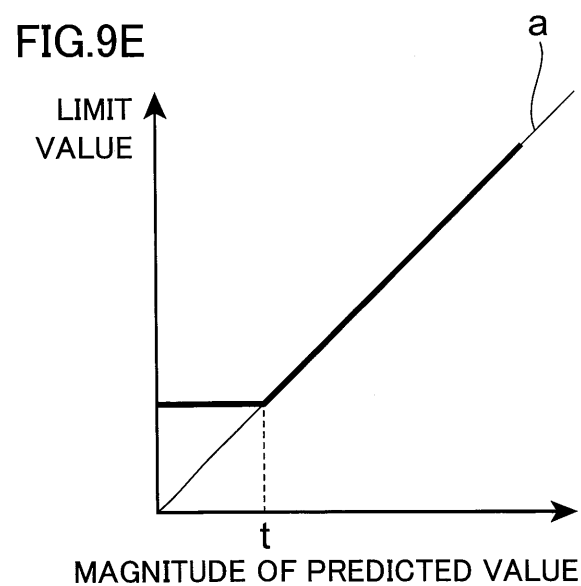
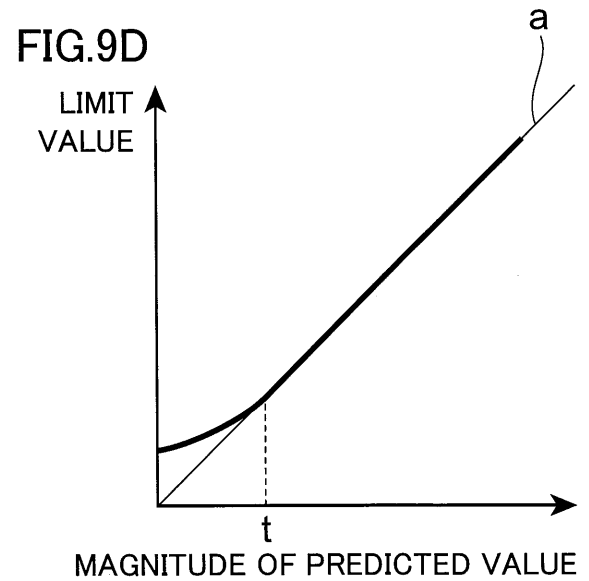
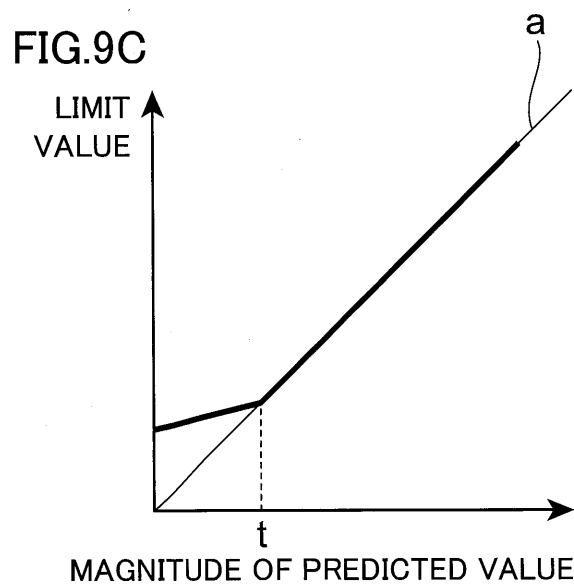
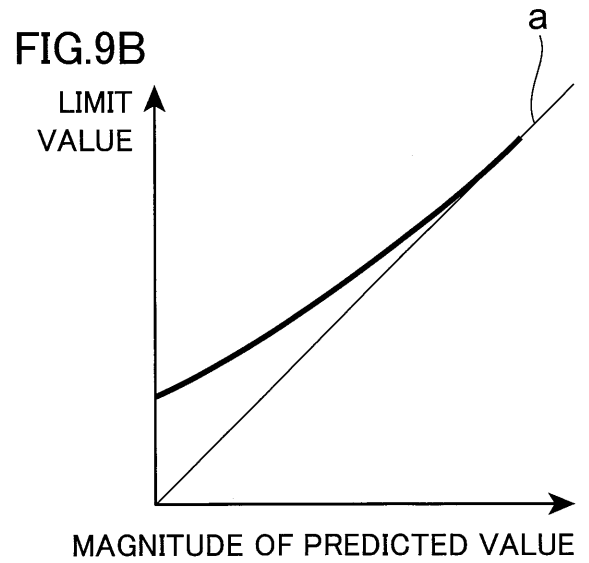
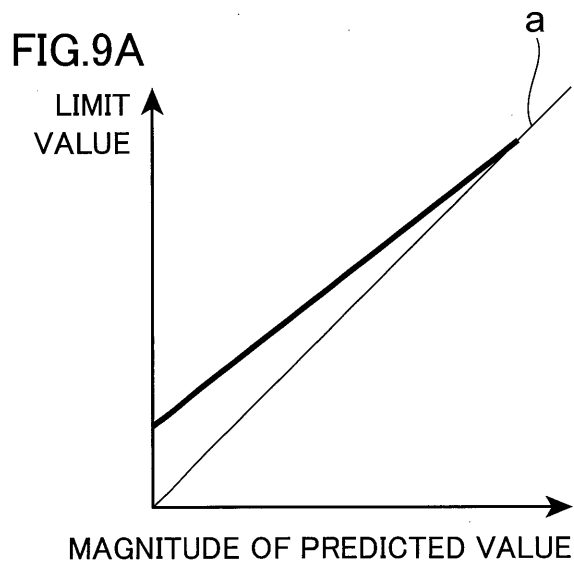


FIG.10

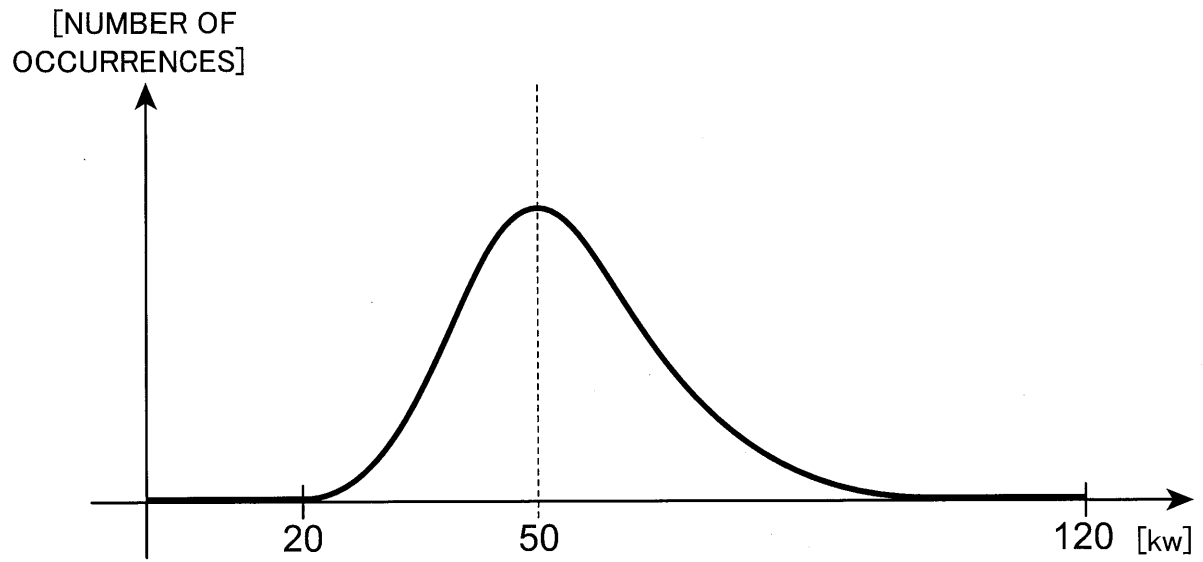


FIG.11

