

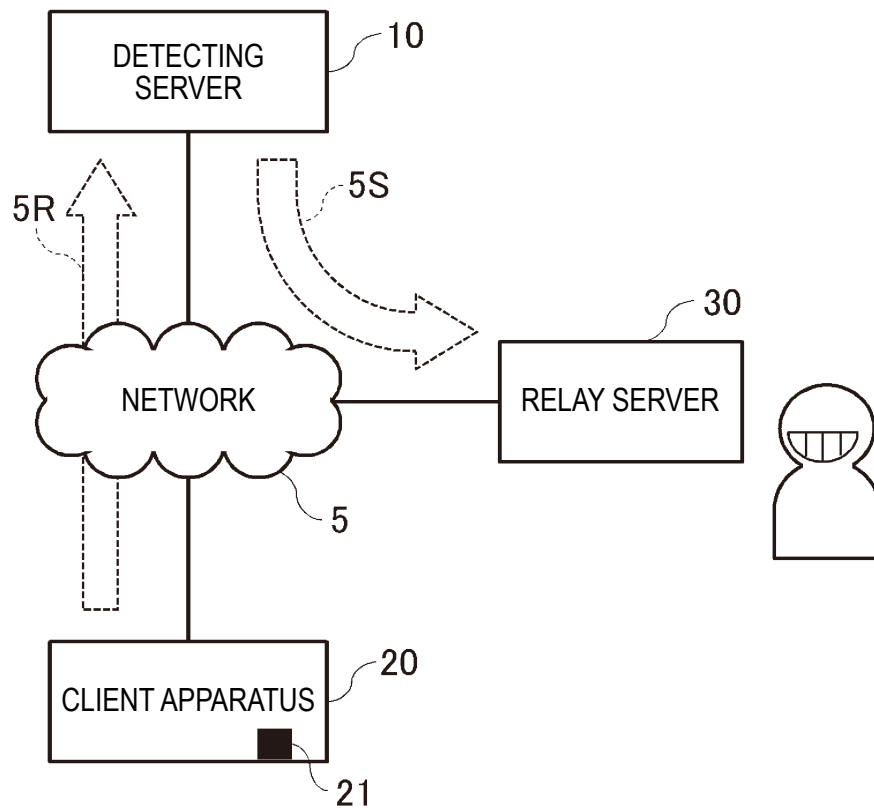
*FIG. 1*

FIG. 2

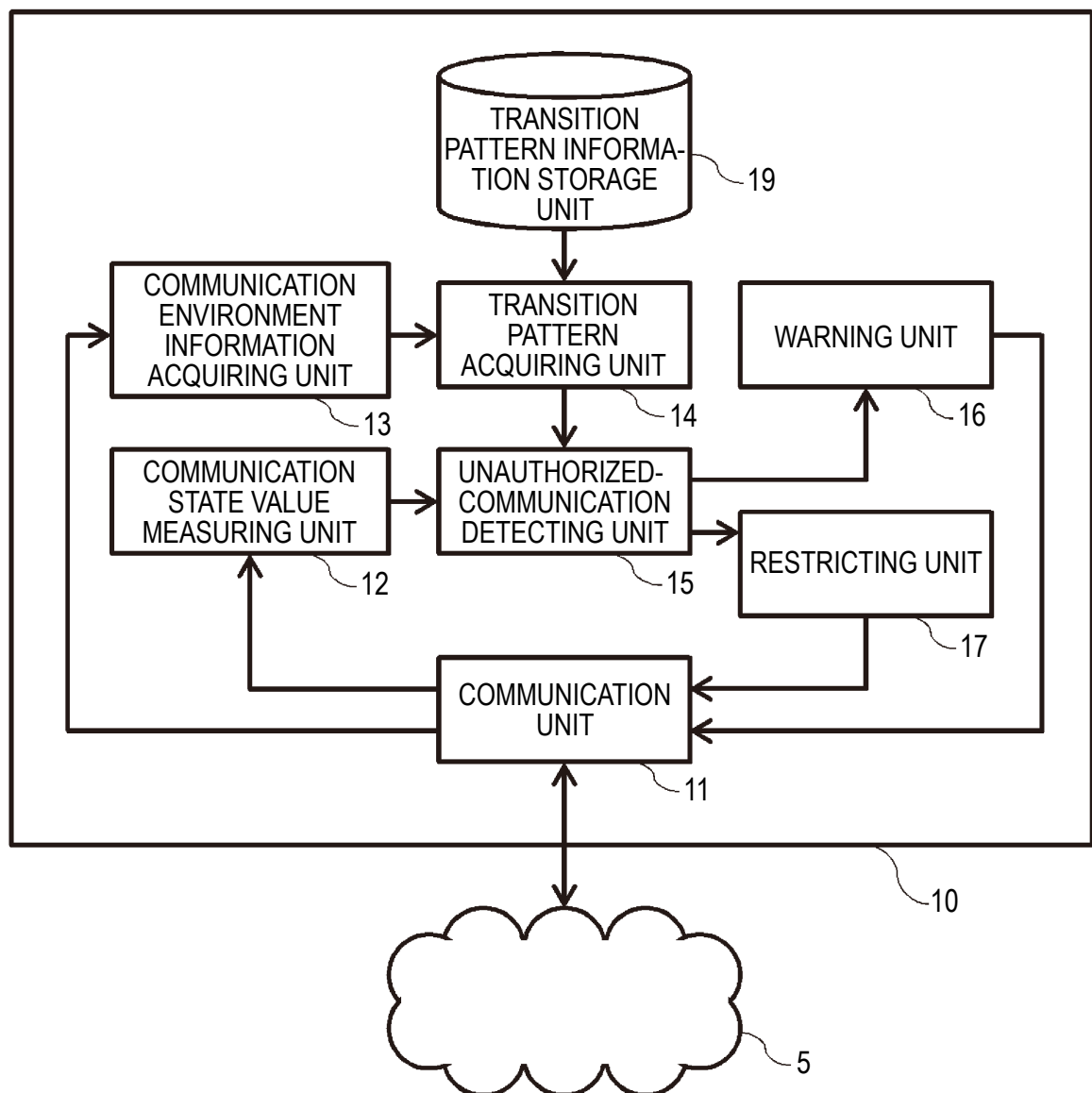
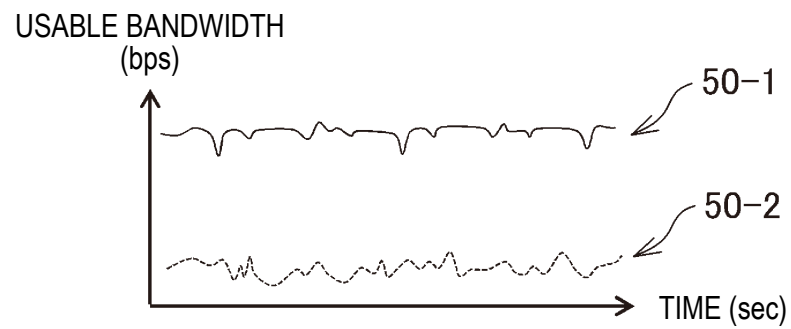
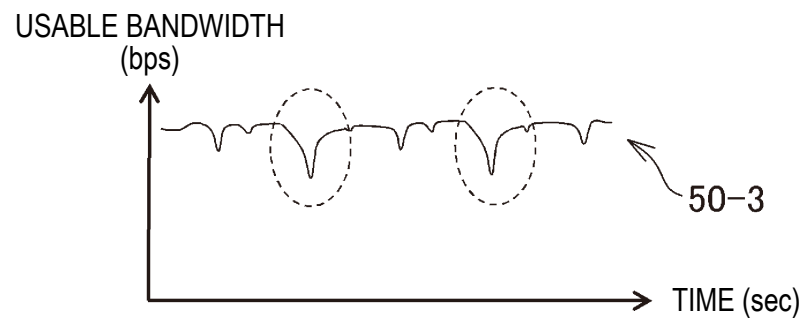


**FIG. 3A****FIG. 3B****FIG. 4**

| APPARATUS ID | POSITION INFORMATION | COMMUNICATION STANDARD | TRANSITION PATTERN                                                        |
|--------------|----------------------|------------------------|---------------------------------------------------------------------------|
| D0001        | POSITION a           | 3. 9G                  | BW <sub>a</sub> (T(0)), BW <sub>a</sub> (T(1)), ...BW <sub>a</sub> (T(n)) |
|              | POSITION b           | 3G                     | BW <sub>b</sub> (T(0)), BW <sub>b</sub> (T(1)), ...BW <sub>b</sub> (T(n)) |
|              | ...                  | ...                    | ...                                                                       |
| D0002        |                      |                        |                                                                           |
| ...          |                      |                        |                                                                           |
|              |                      |                        |                                                                           |

FIG. 5

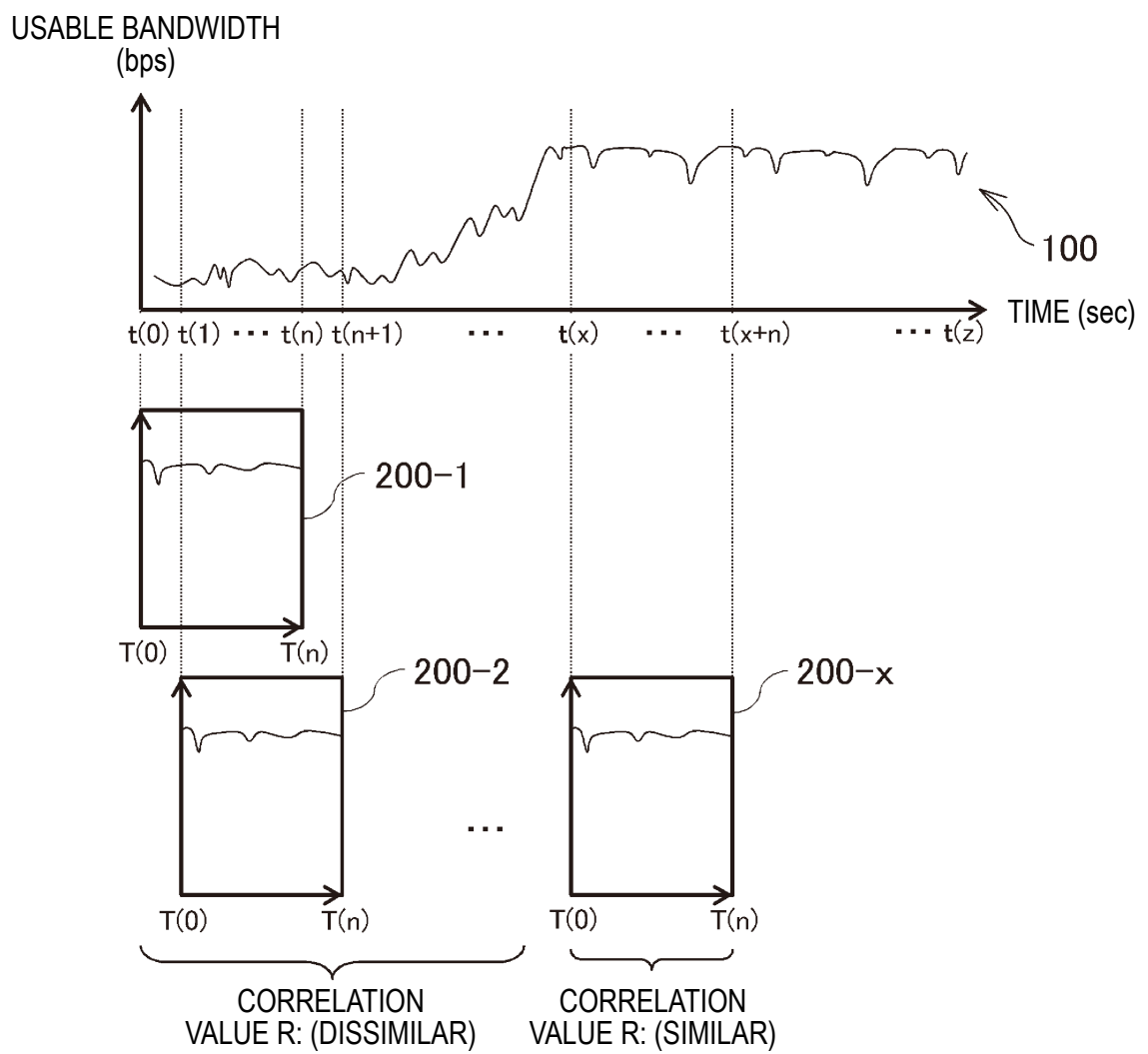


FIG. 6

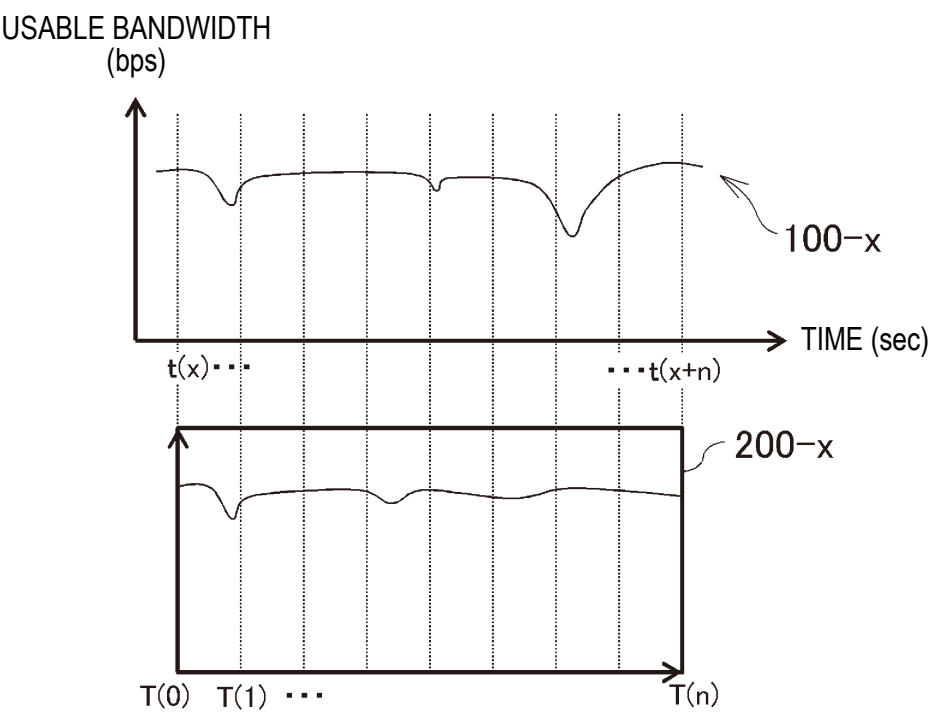


FIG. 7

| MEASUREMENT TIME          | T(0)        | T(1)                    | ... | T(n)             |
|---------------------------|-------------|-------------------------|-----|------------------|
| MEASURED USABLE BANDWIDTH | BW(t(x))    | BW(t(x+1))              | ... | BW(t(x+n))       |
| TRANSITION PATTERN        | BWp(T(0))   | BWp(T(1))               | ... | BWp(T(n))        |
| BW(t) – BWp(T)            | $\alpha\ 1$ | $\alpha\ 2$             | ... | $\alpha\ n$      |
| SUM                       | $\alpha\ 1$ | $\alpha\ 1 + \alpha\ 2$ | ... | $\Sigma\ \alpha$ |

FIG. 8

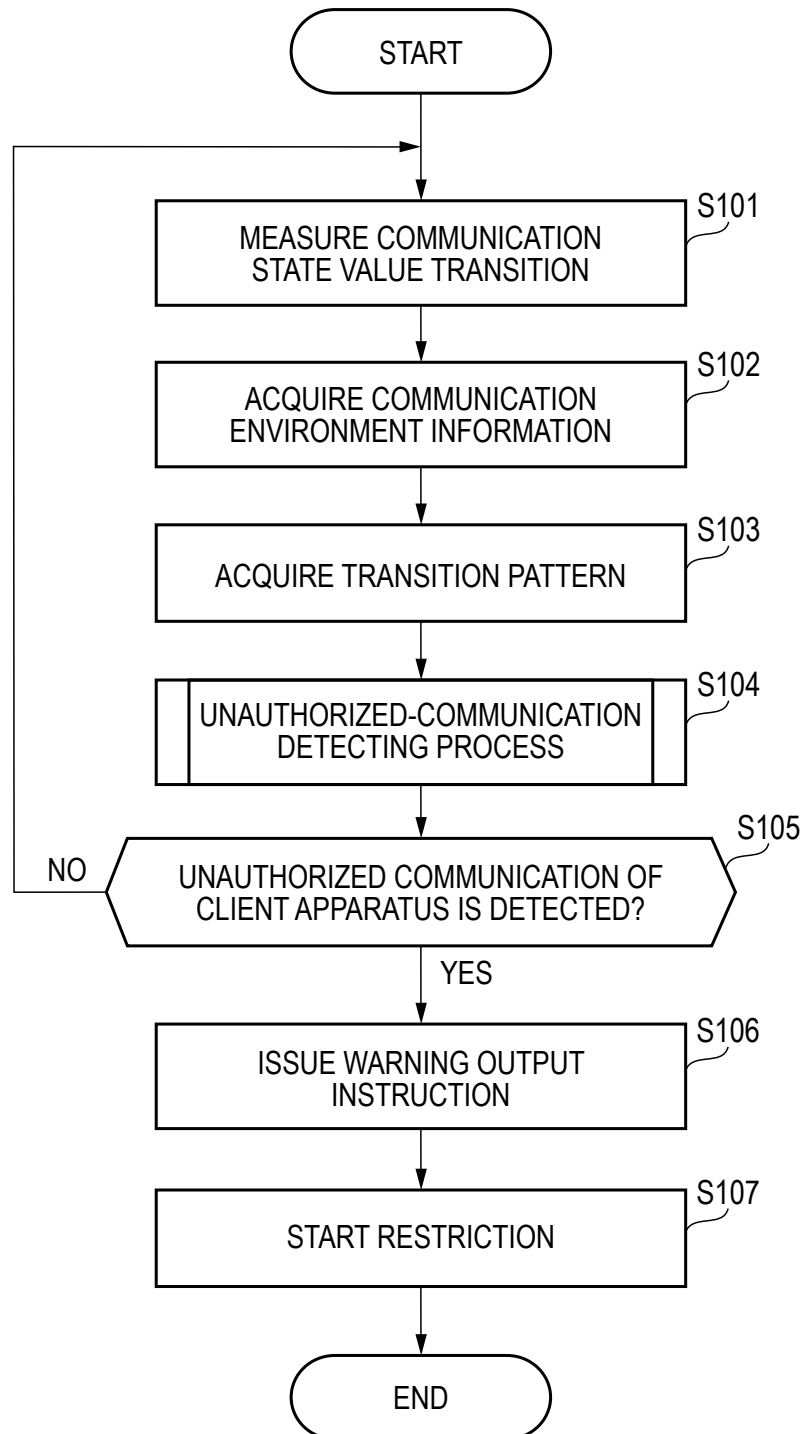


FIG. 9

