

DRAWINGS

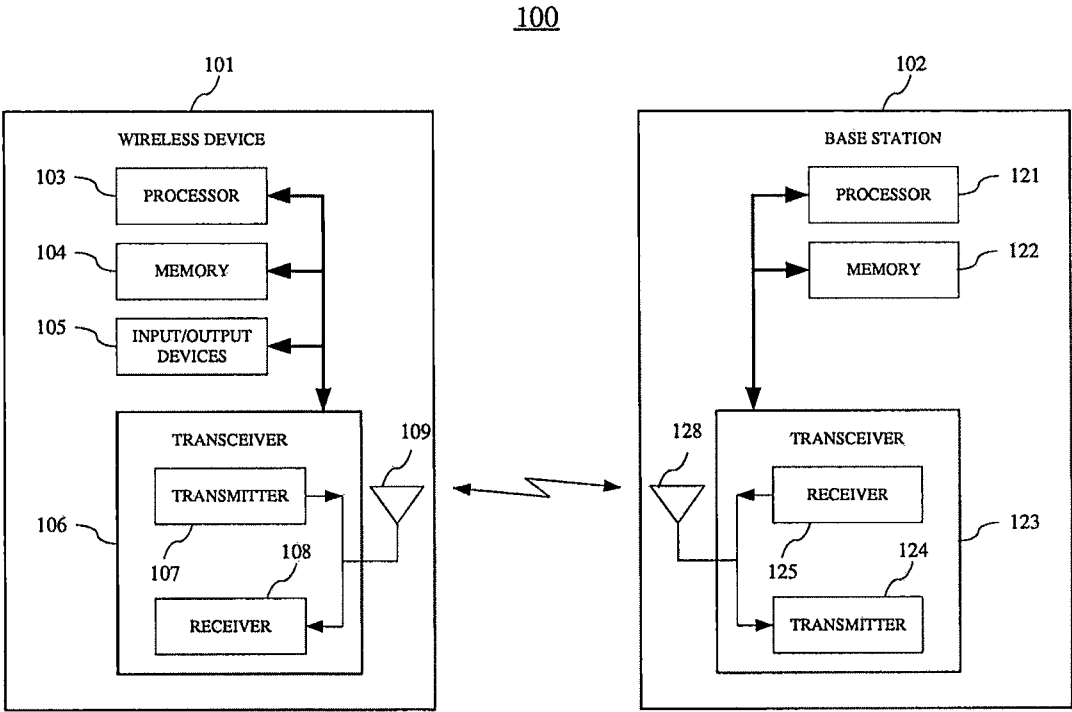


FIG. 1 (PRIOR ART)

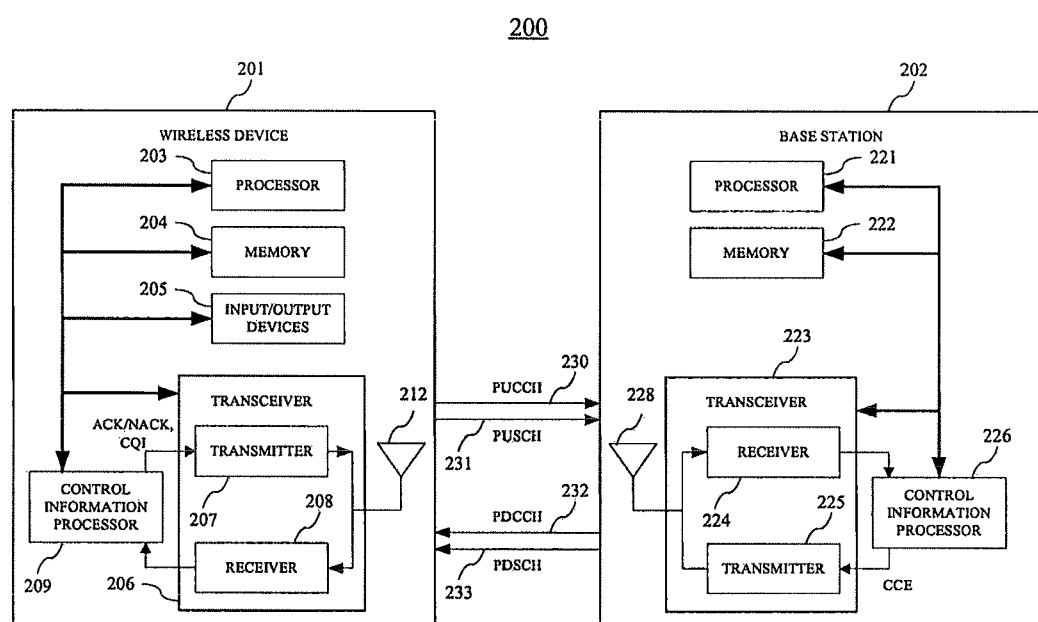
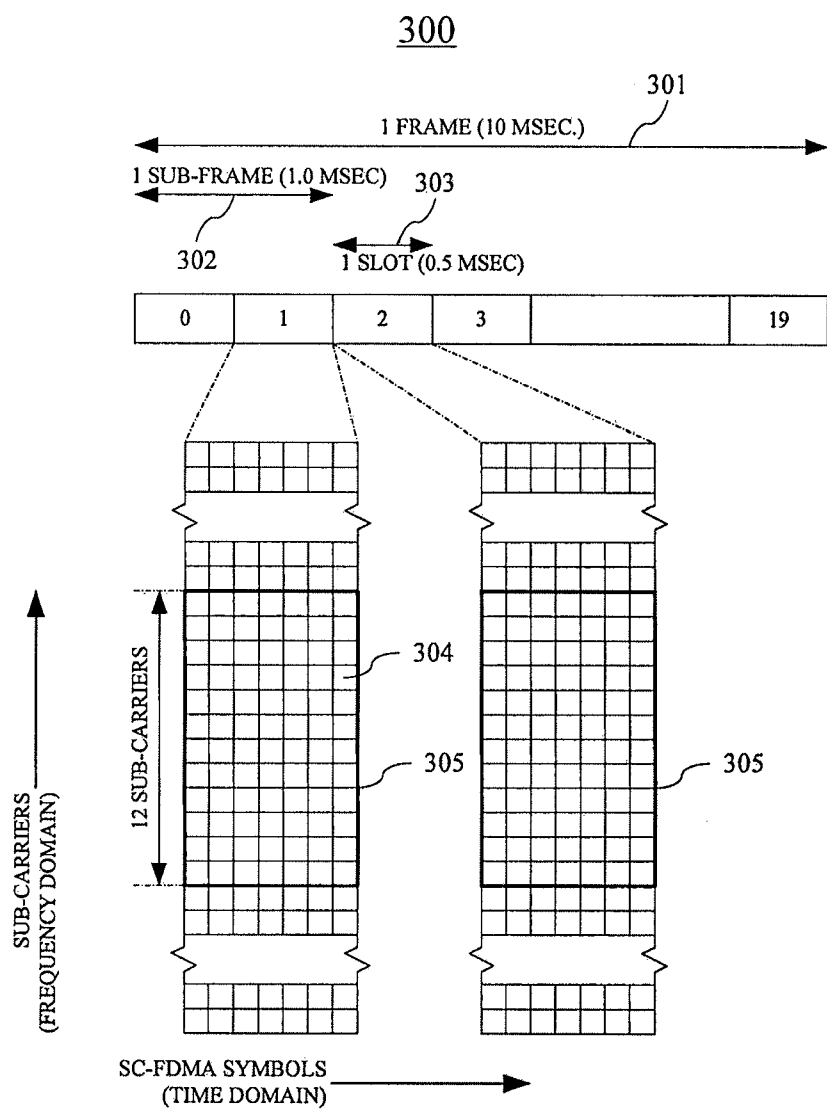
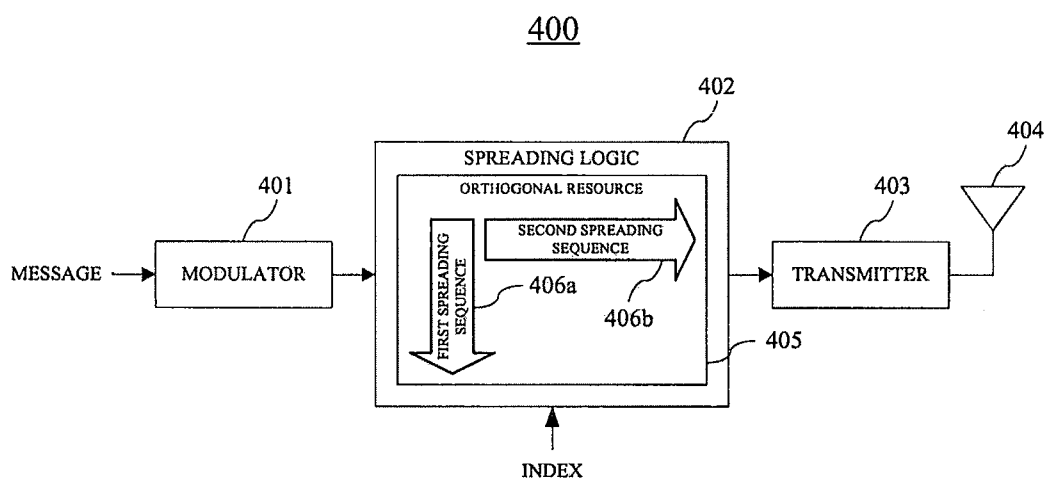
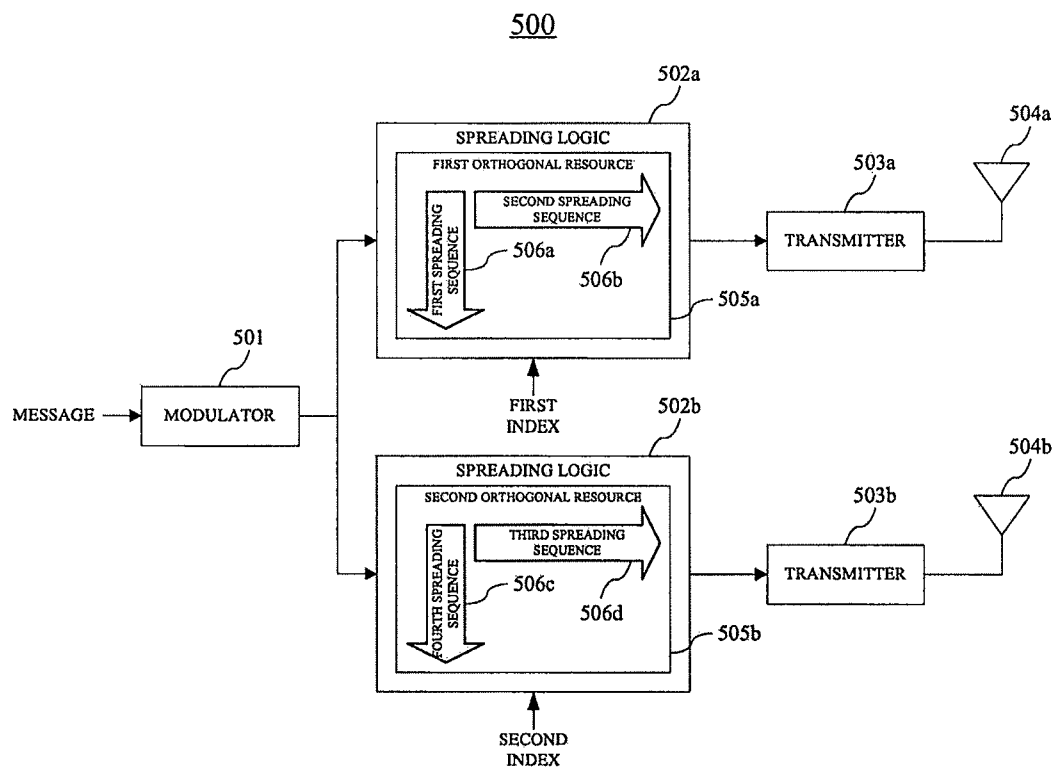


FIG. 2



**FIG. 3 (PRIOR ART)**

**FIG. 4 (PRIOR ART)**



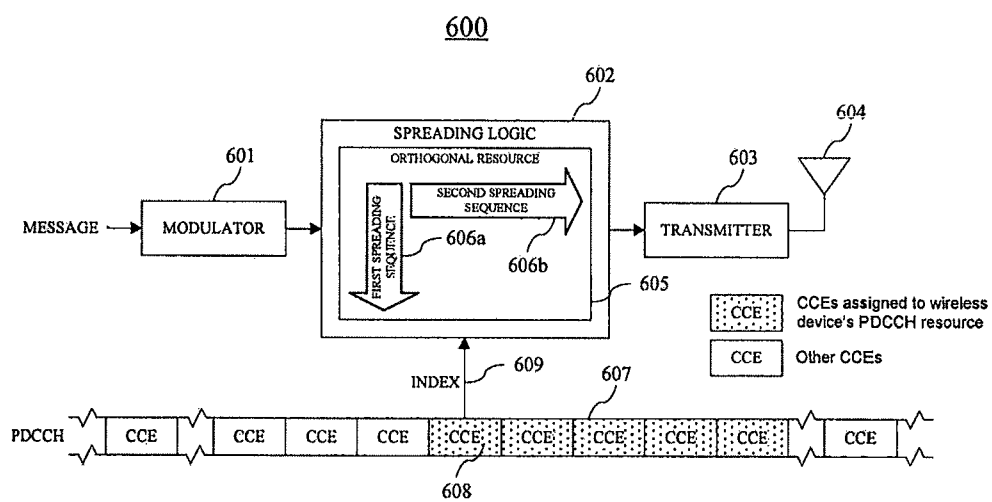
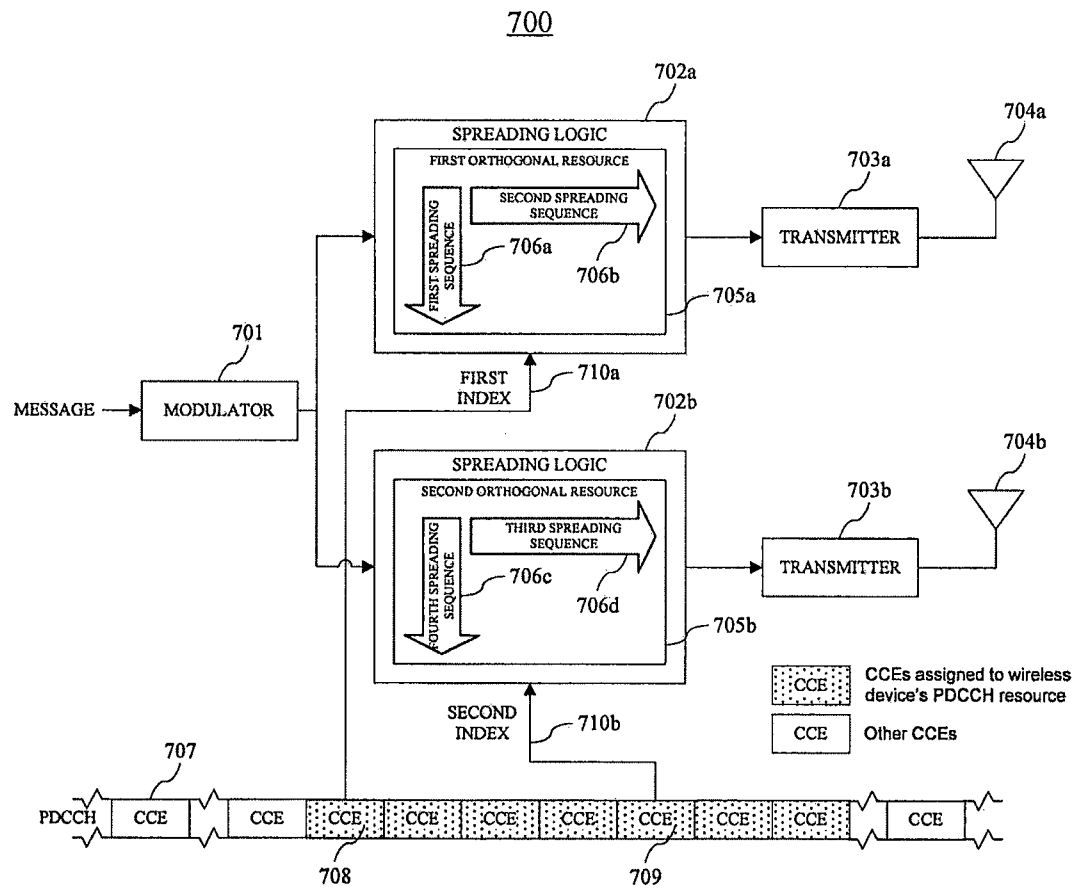
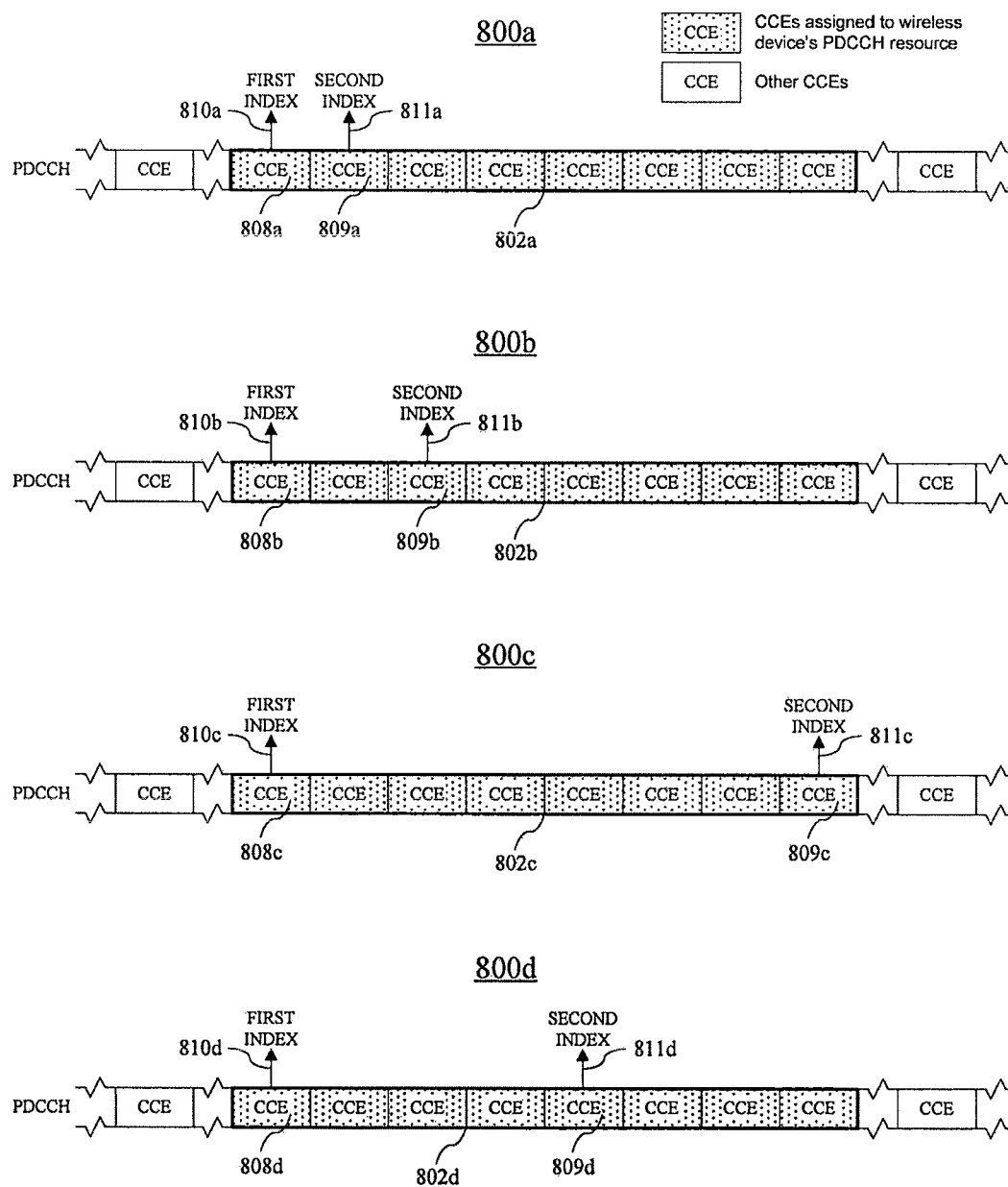


FIG. 6 (PRIOR ART)

**FIG. 7**



**FIG. 8**

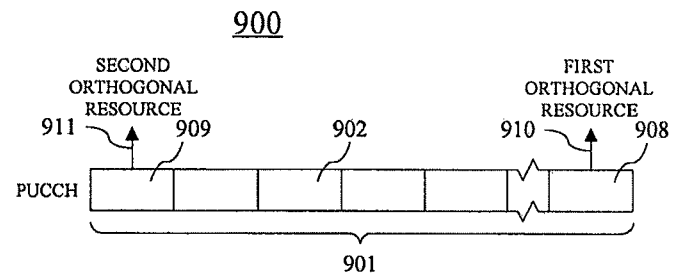


FIG. 9

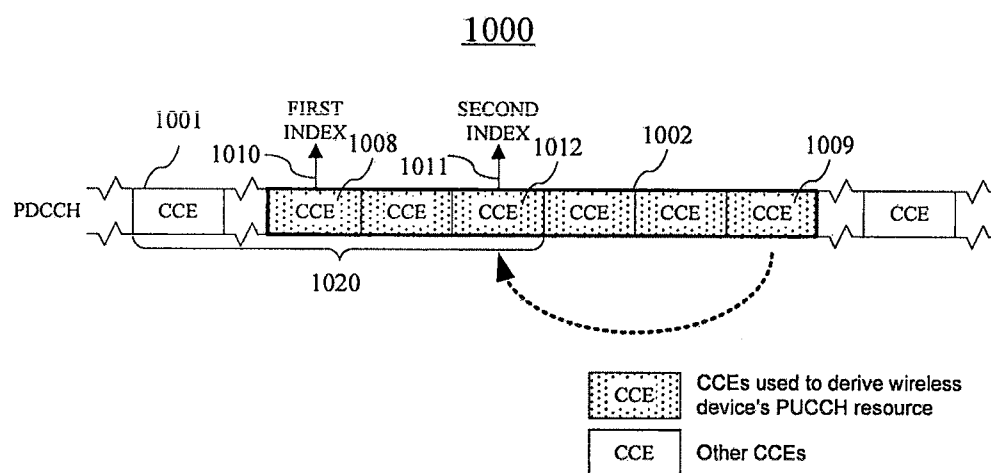


FIG. 10

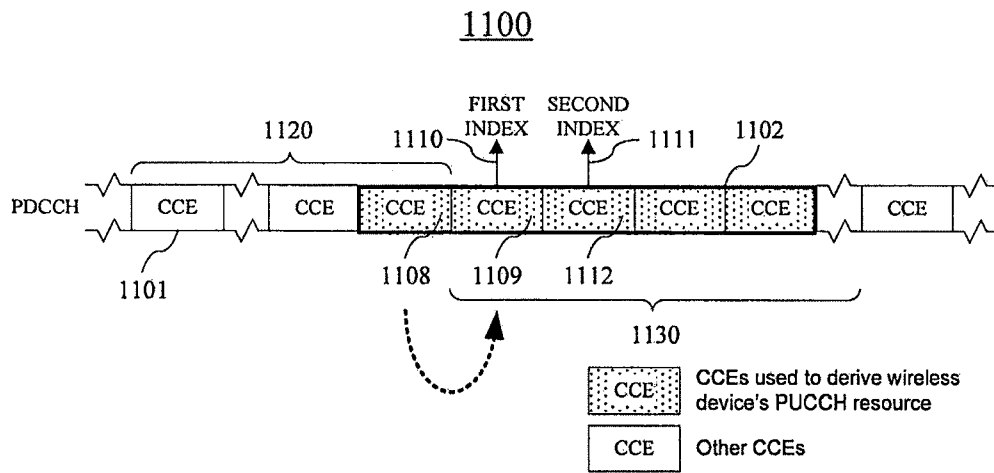


FIG. 11

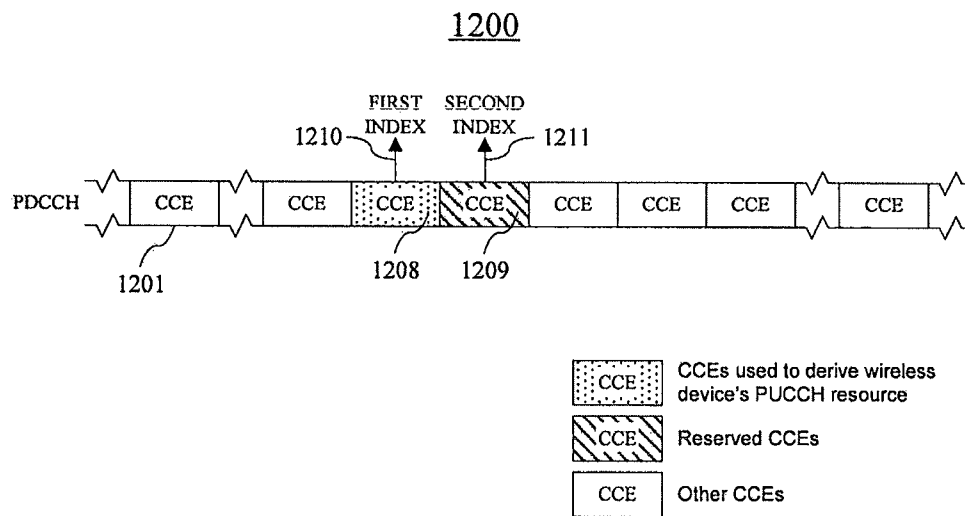


FIG. 12

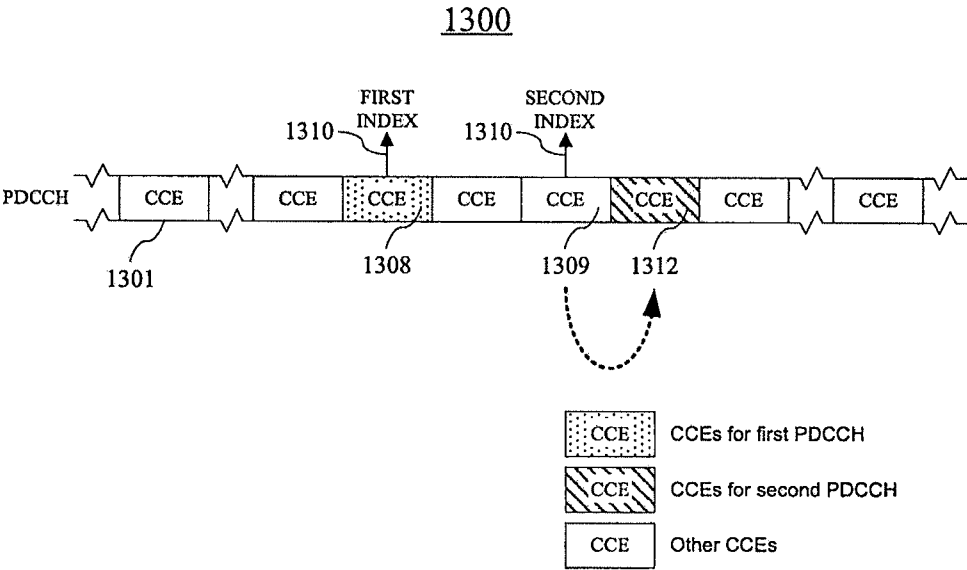


FIG. 13

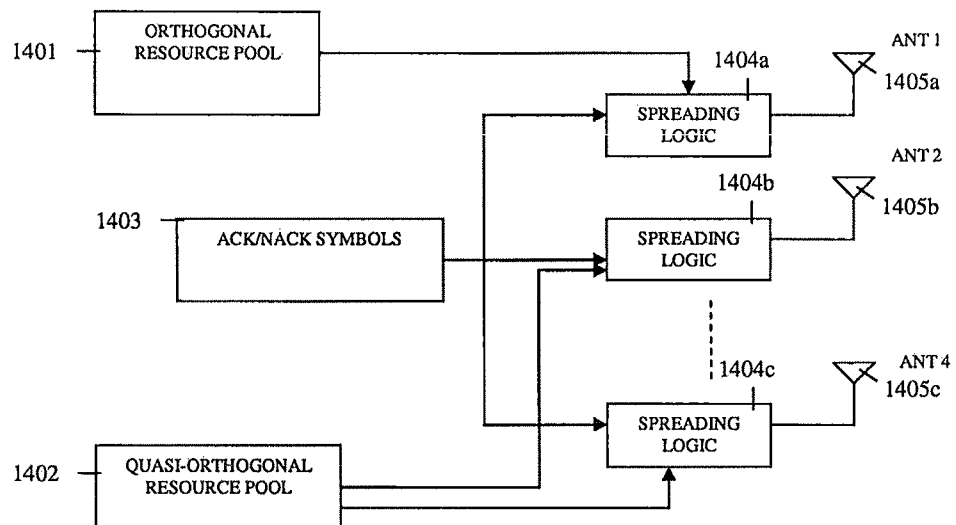


FIG. 14

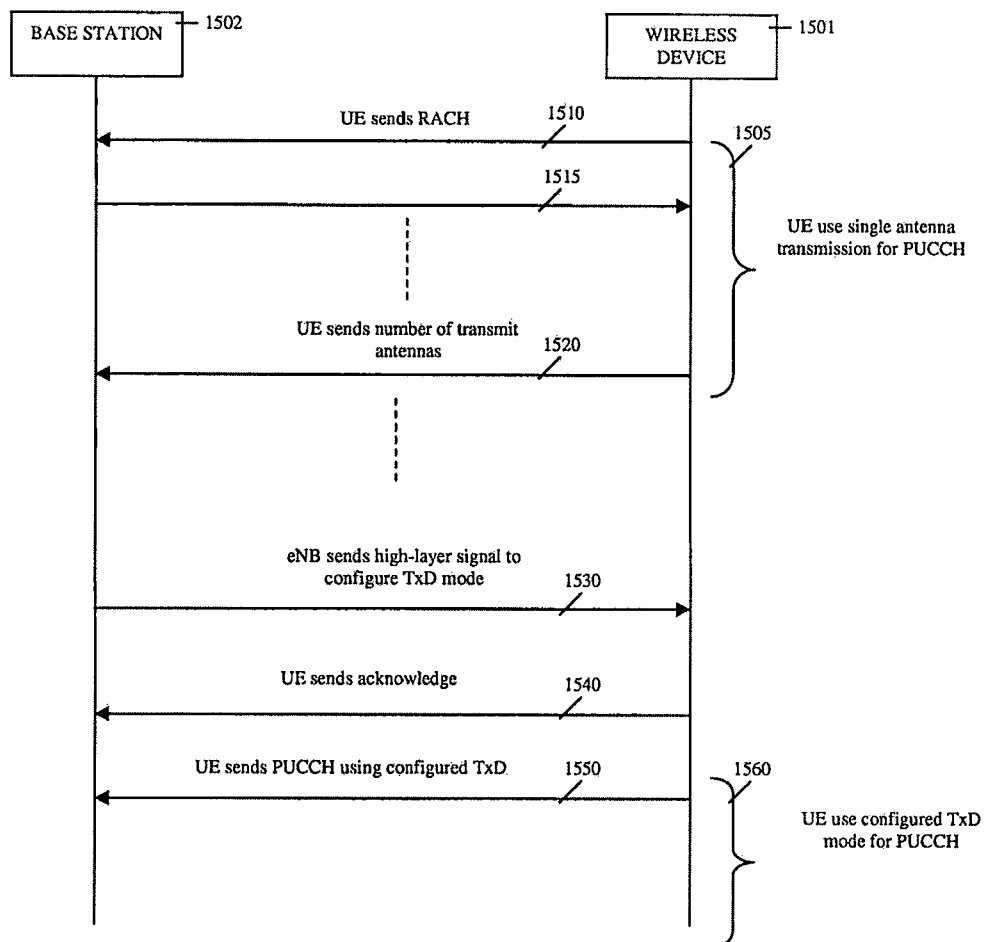


FIG. 15

**PUCCH Resource Index for Downlink Semi-Persistent Scheduling**

| Value of 'TPC command for PUCCH' | $n_{\text{PUCCH}}^{(l)}$                                        |
|----------------------------------|-----------------------------------------------------------------|
| '00'                             | The first PUCCH resource index configured by the higher layers  |
| '01'                             | The second PUCCH resource index configured by the higher layers |
| '10'                             | The third PUCCH resource index configured by the higher layers  |
| '11'                             | The fourth PUCCH resource index configured by the higher layers |

**FIG. 16**

**SORTD PUCCH Resource Index for Downlink Semi-Persistent Scheduling**

| Value of 'TPC command for PUCCH' | $n_{\text{PUCCH}}^{(1)}$ for first tx                           | $n_{\text{PUCCH}}^{(1)}$ for second tx                           |
|----------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------|
| '00'                             | The first PUCCH resource index configured by the higher layers  | The fifth PUCCH resource index configured by the higher layers   |
| '01'                             | The second PUCCH resource index configured by the higher layers | The sixth PUCCH resource index configured by the higher layers   |
| '10'                             | The third PUCCH resource index configured by the higher layers  | The seventh PUCCH resource index configured by the higher layers |
| '11'                             | The fourth PUCCH resource index configured by the higher layers | The eighth PUCCH resource index configured by the higher layers  |

**FIG. 17**