

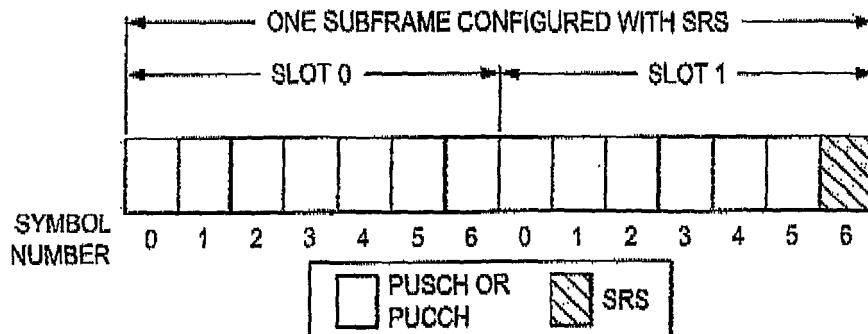


FIG. 1

| <i>srs-SubframeConfig</i> | BINARY | CONFIGURATION PERIOD $T_{SFC}$ (SUBFRAMES) | TRANSMISSION OFFSET $\Delta_{SFC}$ (SUBFRAMES) |
|---------------------------|--------|--------------------------------------------|------------------------------------------------|
| 210 0                     | 0000   | 1                                          | {0}                                            |
| 220 1                     | 0001   | 2                                          | {0}                                            |
| 230 2                     | 0010   | 2                                          | {1}                                            |
| 3                         | 0011   | 5                                          | {0}                                            |
| 4                         | 0100   | 5                                          | {1}                                            |
| 240 5                     | 0101   | 5                                          | {2}                                            |
| 6                         | 0110   | 5                                          | {3}                                            |
| 7                         | 0111   | 5                                          | {0,1}                                          |
| 8                         | 1000   | 5                                          | {2,3}                                          |
| 9                         | 1001   | 10                                         | {0}                                            |
| 10                        | 1010   | 10                                         | {1}                                            |
| 11                        | 1011   | 10                                         | {2}                                            |
| 12                        | 1100   | 10                                         | {3}                                            |
| 13                        | 1101   | 10                                         | {0,1,2,3,4,6,8}                                |
| 14                        | 1110   | 10                                         | {0,1,2,3,4,5,6,8}                              |
| 15                        | 1111   | RESERVED                                   | RESERVED                                       |

FIG. 2

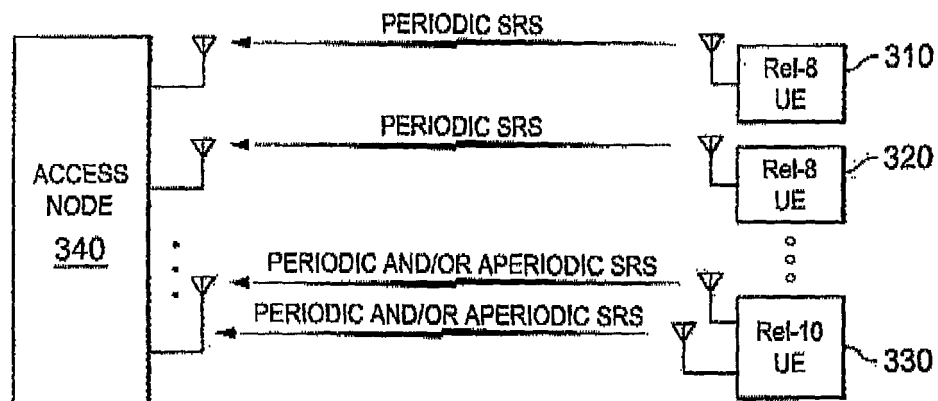


FIG. 3

| APERIODIC<br>PARAMETER | UE#1 | UE#2 | UE#3 | UE#4 | UE#5 |
|------------------------|------|------|------|------|------|
| $B_{SRS}^a$            | 3    | 3    | 2    | 1    | 1    |
| $k_{TC}^{ASRS}$        | 0    | 0    | 0    | 0    | 0    |
| $b_{hop}^{ASRS}$       | 0    | 0    | 0    | 0    | 0    |
| $n_{RRC}^{ASRS}$       | 0    | 1    | 2    | 4    | 8    |

FIG. 15

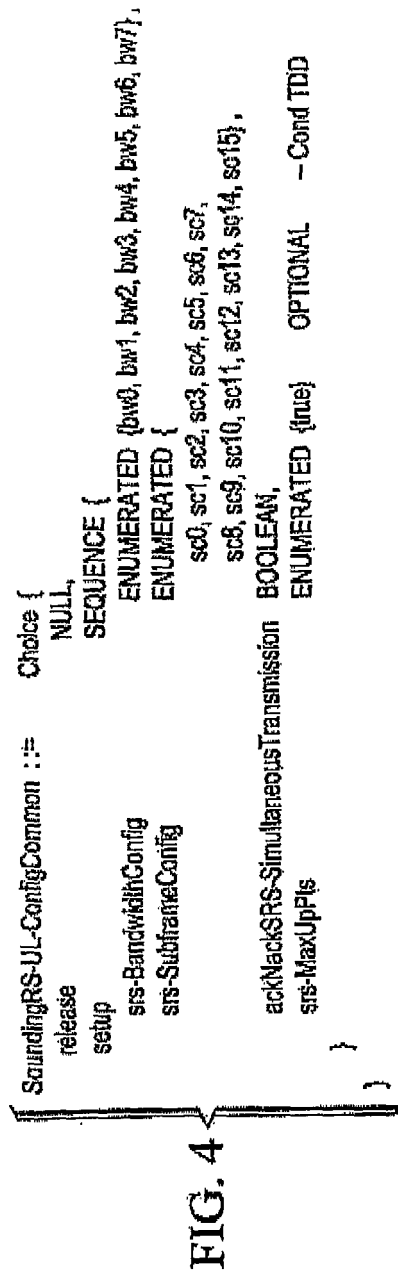
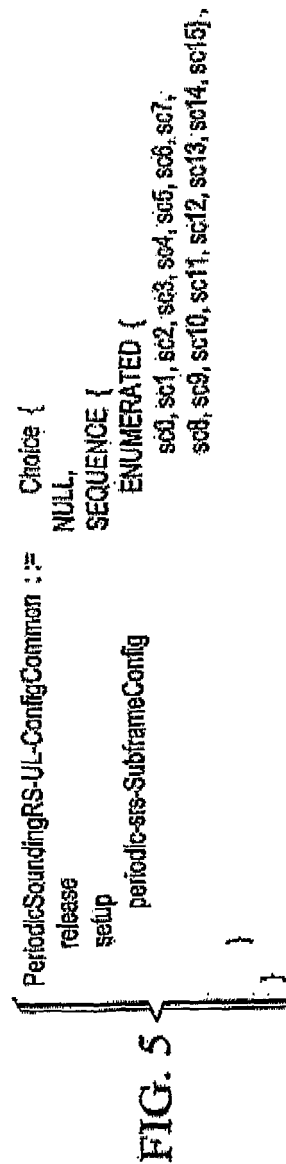


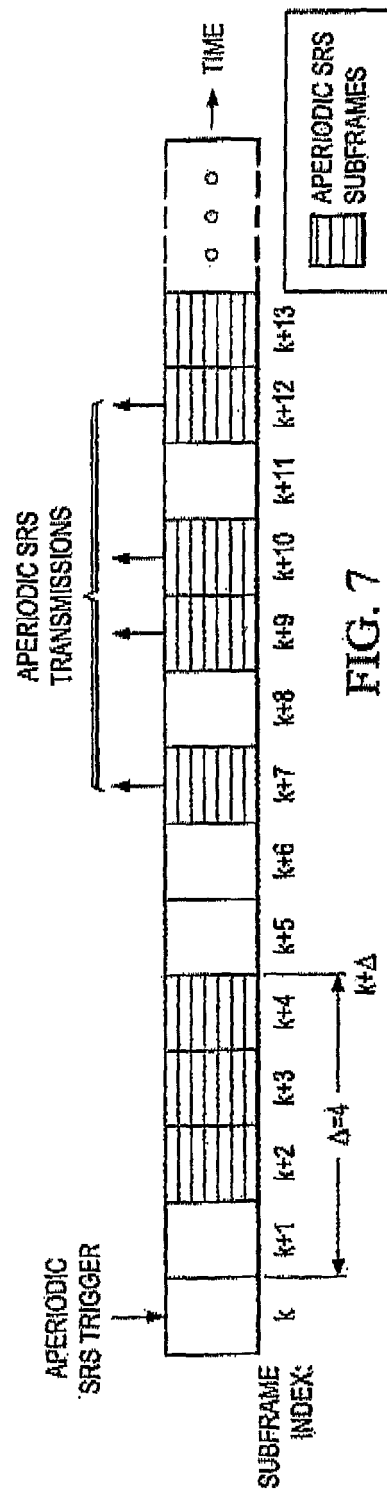
FIG. 6A

610

| PARTITION<br>INDEX<br>NUMBER | srs-Subframe-Config<br>NUMBER | periodic-srs-Subframe-<br>Config NUMBER | SUBFRAME NUMBER |   |   |   |   |   |   |   |   |   |
|------------------------------|-------------------------------|-----------------------------------------|-----------------|---|---|---|---|---|---|---|---|---|
|                              |                               |                                         | 0               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0                            | 0                             | 0                                       | p               | p | p | p | p | p | p | p | p | p |
| 1                            | 0                             | 1                                       | p               | a | p | a | p | a | p | a | p | a |
| 2                            | 0                             | 2                                       | a               | p | a | p | a | p | a | p | a | p |
| 3                            | 0                             | 3                                       | p               | a | a | a | a | p | a | a | a | a |
| 4                            | 0                             | 4                                       | a               | p | a | a | a | a | p | a | a | a |
| 5                            | 0                             | 5                                       | a               | a | p | a | a | a | a | p | a | a |
| 6                            | 0                             | 6                                       | a               | a | a | p | a | a | a | a | p | a |
| 7                            | 0                             | 7                                       | p               | p | a | a | a | p | p | a | a | a |
| 8                            | 0                             | 8                                       | a               | a | p | p | a | a | a | p | p | a |
| 9                            | 0                             | 9                                       | p               | a | a | a | a | a | a | a | a | a |
| 10                           | 0                             | 10                                      | a               | p | a | a | a | a | a | a | a | a |
| 11                           | 0                             | 11                                      | a               | a | p | a | a | a | a | a | a | a |
| 12                           | 0                             | 12                                      | a               | a | a | p | a | a | a | a | a | a |
| 13                           | 0                             | 13                                      | p               | p | p | p | p | a | p | a | p | a |
| 14                           | 0                             | 14                                      | p               | p | p | p | p | p | p | a | p | a |
| 15                           | 1                             | 1                                       | p               |   | p |   | p |   | p |   | p |   |
| 16                           | 1                             | 9                                       | p               |   | a |   | a |   | a |   | a |   |
| 17                           | 1                             | 11                                      | a               |   | p |   | a |   | a |   | a |   |
| 18                           | 3                             | 3                                       | p               |   |   |   |   | p |   |   |   |   |
| 19                           | 3                             | 9                                       | p               |   |   |   |   | a |   |   |   |   |
| 20                           | 4                             | 4                                       |                 | p |   |   |   |   | p |   |   |   |
| 21                           | 4                             | 10                                      |                 | p |   |   |   |   | a |   |   |   |
| 22                           | 5                             | 5                                       |                 |   | p |   |   |   |   | p |   |   |
| 23                           | 5                             | 11                                      |                 |   | p |   |   |   |   | a |   |   |
| 24                           | 6                             | 6                                       |                 |   |   | p |   |   |   |   | p |   |
| 25                           | 6                             | 12                                      |                 |   |   | p |   |   |   |   | a |   |
| 26                           | 7                             | 7                                       | p               | p |   |   |   | p | p |   |   |   |

TO FIG. 6B





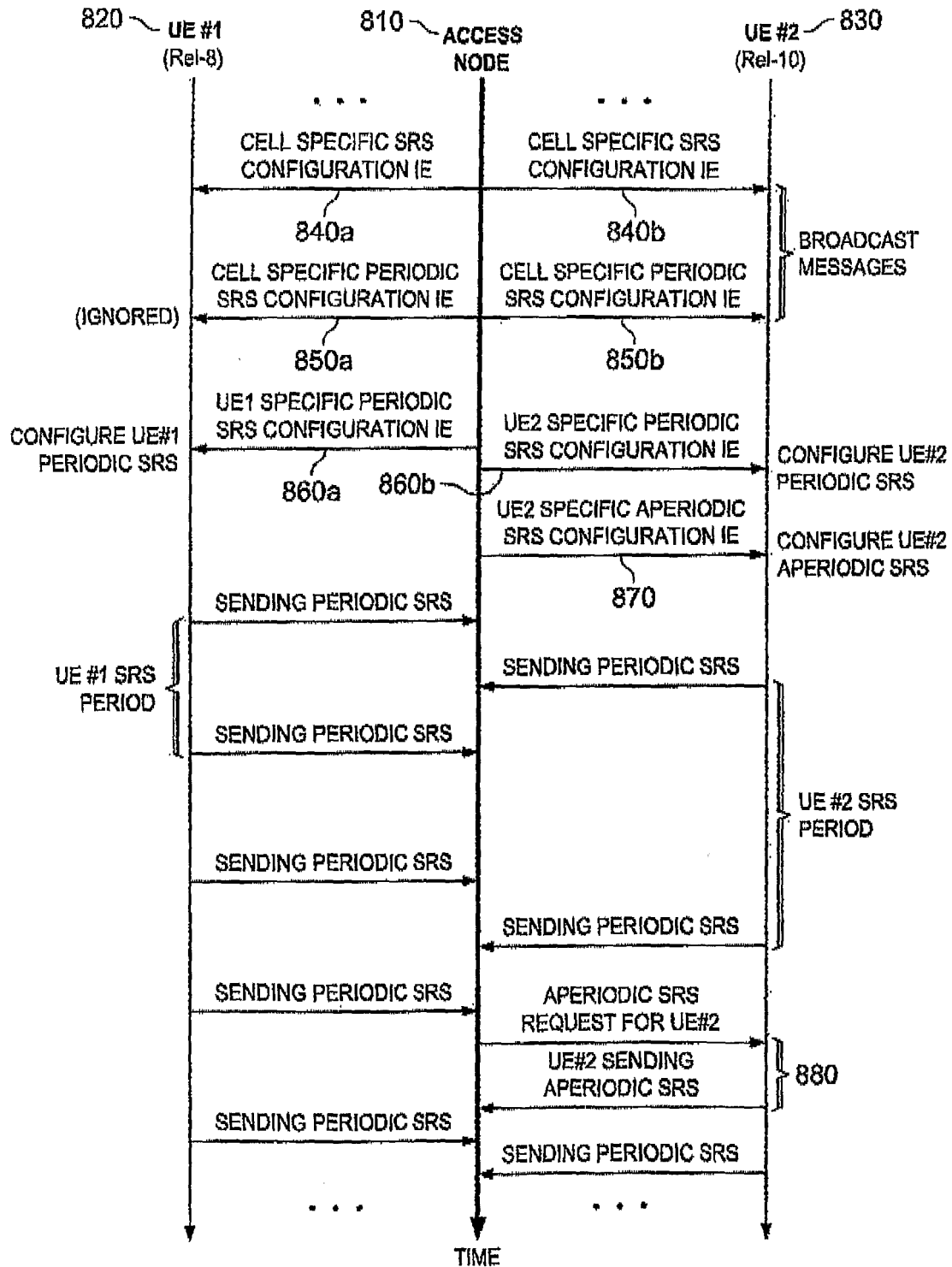
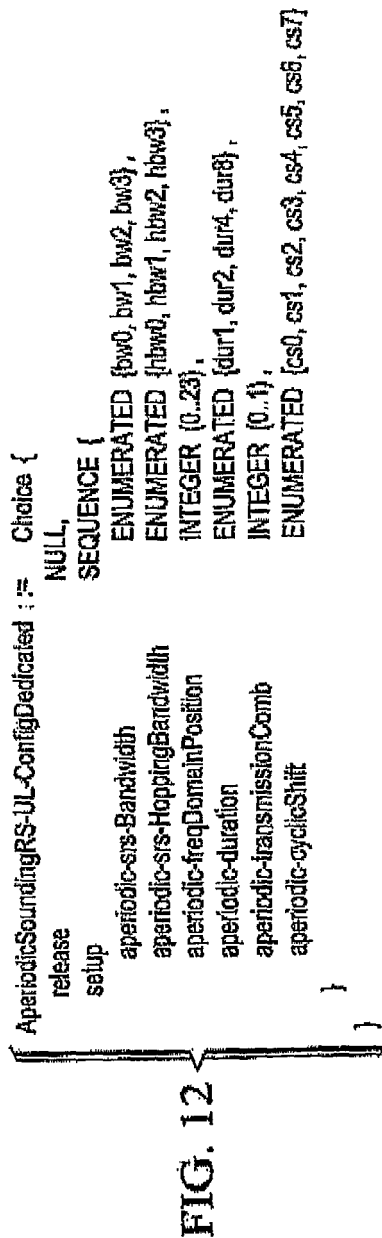
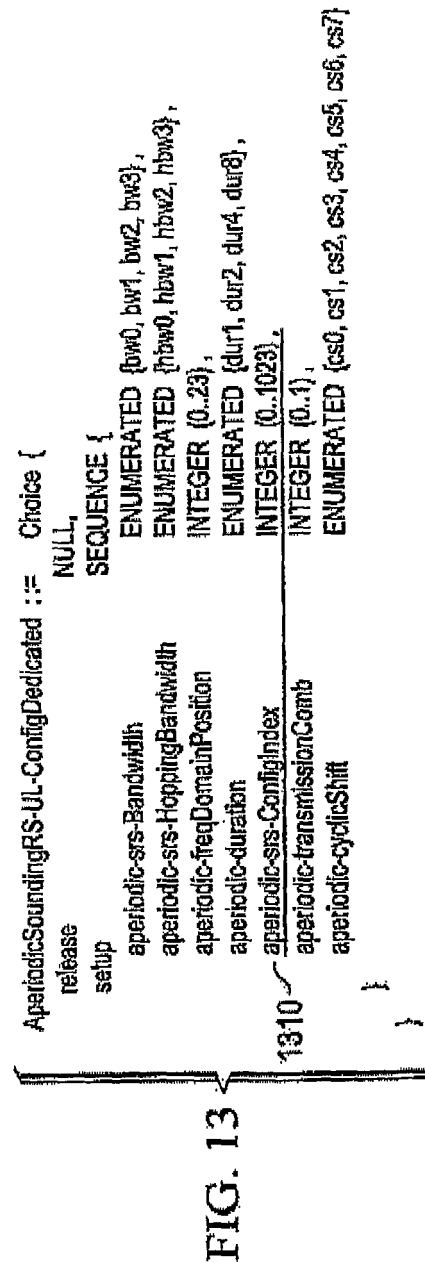


FIG. 8

FIG. 9 { periodic-srs-SubframeConfig BIT STRING (size(10)) }

FIG. 10 { AperiodicSoundingRS-UL-ConfigCommon ::= Choice {  
release NULL,  
setup SEQUENCE {  
aperiodic-srs-SubframeConfig BIT STRING (size(10))  
}  
}

FIG. 11 { SoundingRS-UL-ConfigDedicated ::= Choice {  
release NULL,  
setup SEQUENCE {  
srs-Bandwidth ENUMERATED {bw0, bw1, bw2, bw3},  
srs-HoppingBandwidth ENUMERATED {hbw0, hbw1, hbw2, hbw3},  
freqDomainPosition INTEGER (0..23),  
duration BOOLEAN,  
srs-ConfigIndex INTEGER (0..1023),  
transmissionComb INTEGER (0..1),  
cyclicShift ENUMERATED {cs0, cs1, cs2, cs3, cs4, cs5, cs6, cs7}  
}  
}



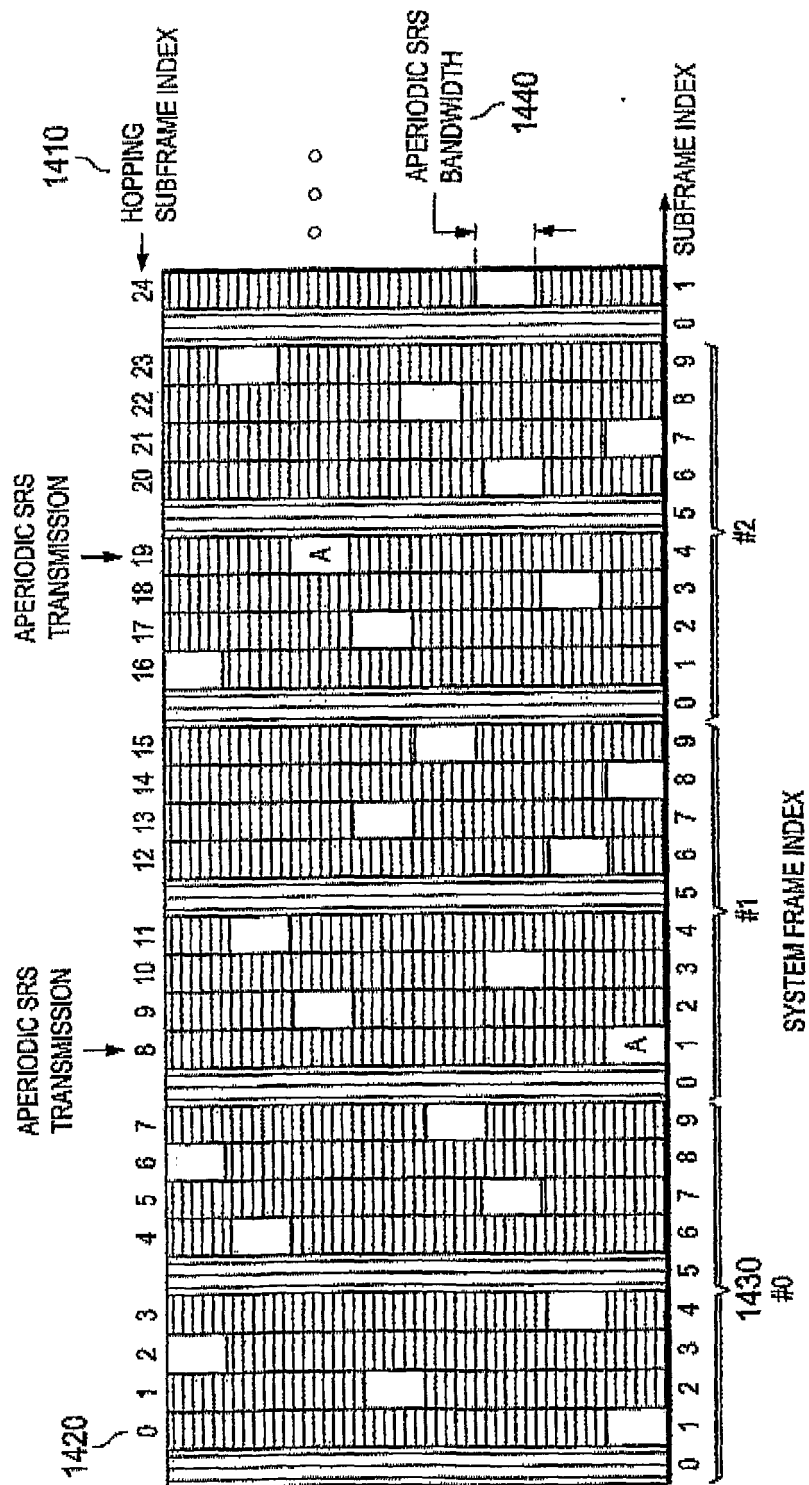
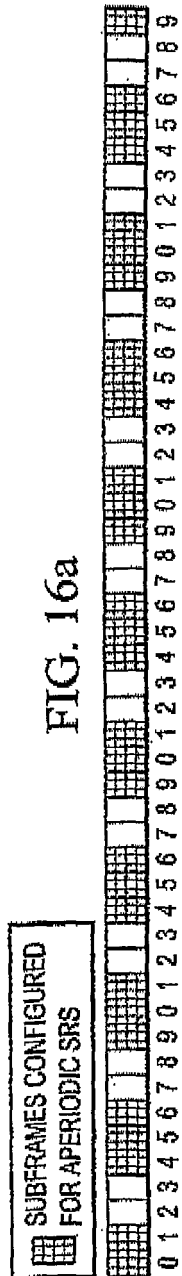
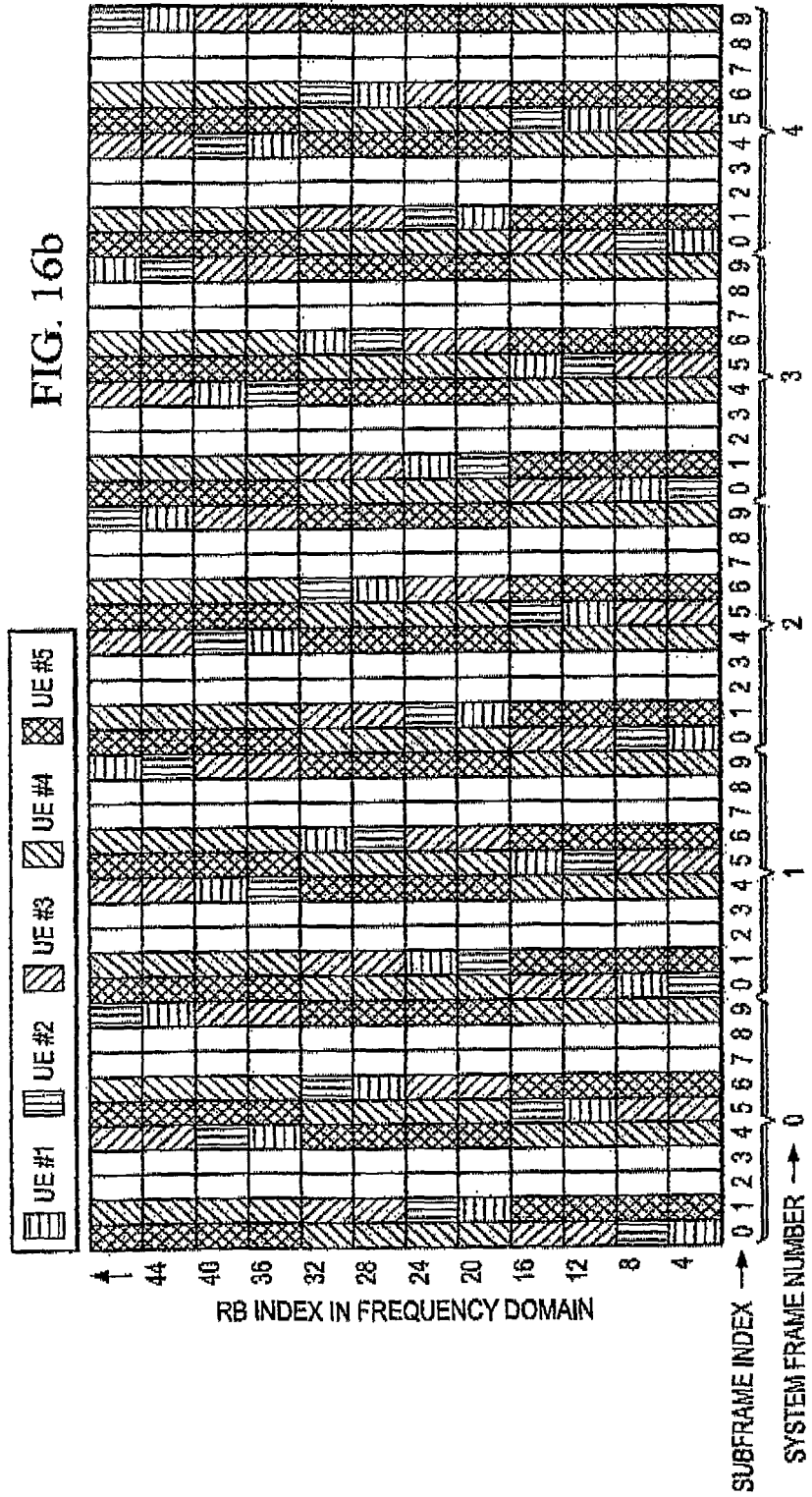


**FIG. 14**



| DYNAMIC<br>RESOURCE<br>INDEX | UE ANTENNA PORT 0 |                 |      | UE ANTENNA PORT 1 |                 |      |
|------------------------------|-------------------|-----------------|------|-------------------|-----------------|------|
|                              | $n_{\Delta}$      | CYCLIC<br>SHIFT | COMB | $n_{\Delta}$      | CYCLIC<br>SHIFT | COMB |
| 0                            | 0                 | 0               | 0    | 0                 | 1               | 0    |
| 1                            | 0                 | 2               | 0    | 0                 | 3               | 0    |
| 2                            | 0                 | 4               | 0    | 0                 | 5               | 0    |
| 3                            | 0                 | 6               | 0    | 0                 | 7               | 0    |
| 4                            | 0                 | 0               | 1    | 0                 | 1               | 1    |
| 5                            | 0                 | 2               | 1    | 0                 | 3               | 1    |
| 6                            | 0                 | 4               | 1    | 0                 | 5               | 1    |
| 7                            | 0                 | 6               | 1    | 0                 | 7               | 1    |
| 8                            | 3                 | 0               | 0    | 3                 | 1               | 0    |
| 9                            | 3                 | 2               | 0    | 3                 | 3               | 0    |
| 10                           | 3                 | 4               | 0    | 3                 | 5               | 0    |
| 11                           | 3                 | 6               | 0    | 3                 | 7               | 0    |
| 12                           | 3                 | 0               | 1    | 3                 | 1               | 1    |
| 13                           | 3                 | 2               | 1    | 3                 | 3               | 1    |
| 14                           | 3                 | 4               | 1    | 3                 | 5               | 1    |
| 15                           | 3                 | 6               | 1    | 3                 | 7               | 1    |

FIG. 17

| DYNAMIC<br>RESOURCE<br>INDEX | UE ANTENNA PORT 0 |                 |      | UE ANTENNA PORT 1 |                 |      |
|------------------------------|-------------------|-----------------|------|-------------------|-----------------|------|
|                              | $n_{\Delta}$      | CYCLIC<br>SHIFT | COMB | $n_{\Delta}$      | CYCLIC<br>SHIFT | COMB |
| 0                            | 0                 | 0               | 0    | 0                 | 4               | 0    |
| 1                            | 2                 | 0               | 0    | 2                 | 4               | 0    |
| 2                            | 4                 | 0               | 0    | 4                 | 4               | 0    |
| 3                            | 6                 | 0               | 0    | 6                 | 4               | 0    |
| 4                            | 8                 | 0               | 0    | 8                 | 4               | 0    |
| 5                            | 9                 | 0               | 0    | 9                 | 4               | 0    |
| 6                            | 10                | 0               | 0    | 10                | 4               | 0    |
| 7                            | 11                | 0               | 0    | 11                | 4               | 0    |
| 8                            | 0                 | 0               | 1    | 0                 | 4               | 1    |
| 9                            | 2                 | 0               | 1    | 2                 | 4               | 1    |
| 10                           | 4                 | 0               | 1    | 4                 | 4               | 1    |
| 11                           | 6                 | 0               | 1    | 6                 | 4               | 1    |
| 12                           | 8                 | 0               | 1    | 8                 | 4               | 1    |
| 13                           | 9                 | 0               | 1    | 9                 | 4               | 1    |
| 14                           | 10                | 0               | 1    | 10                | 4               | 1    |
| 15                           | 11                | 0               | 1    | 11                | 4               | 1    |

FIG. 18

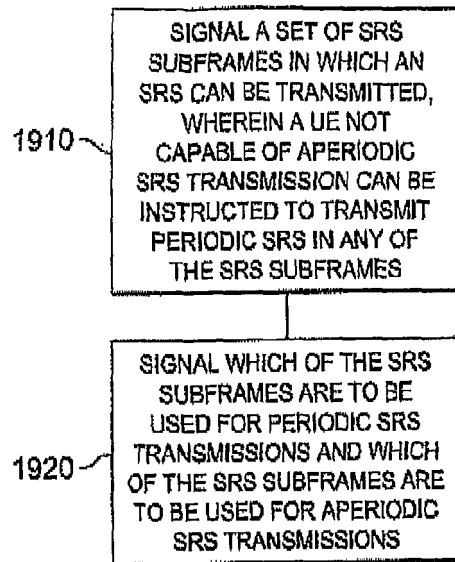


FIG. 19

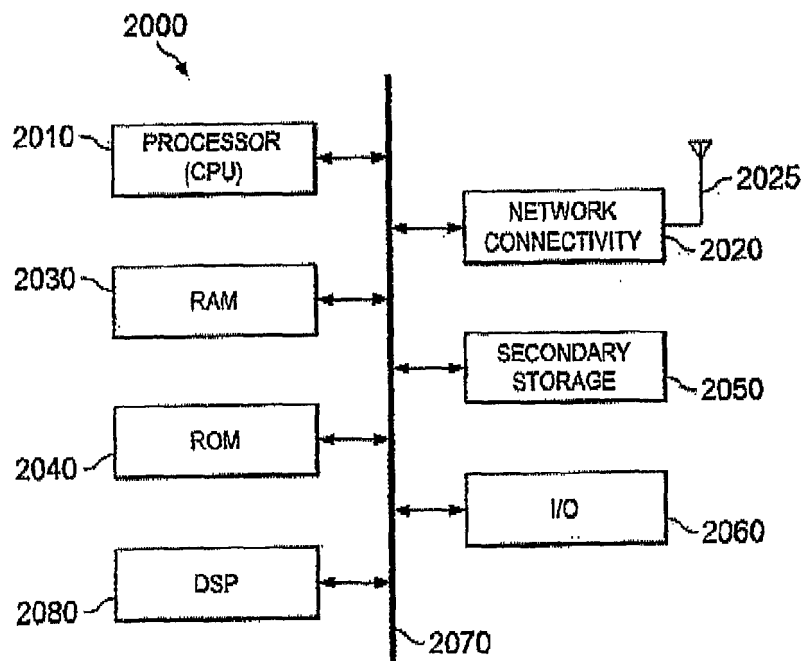


FIG. 20