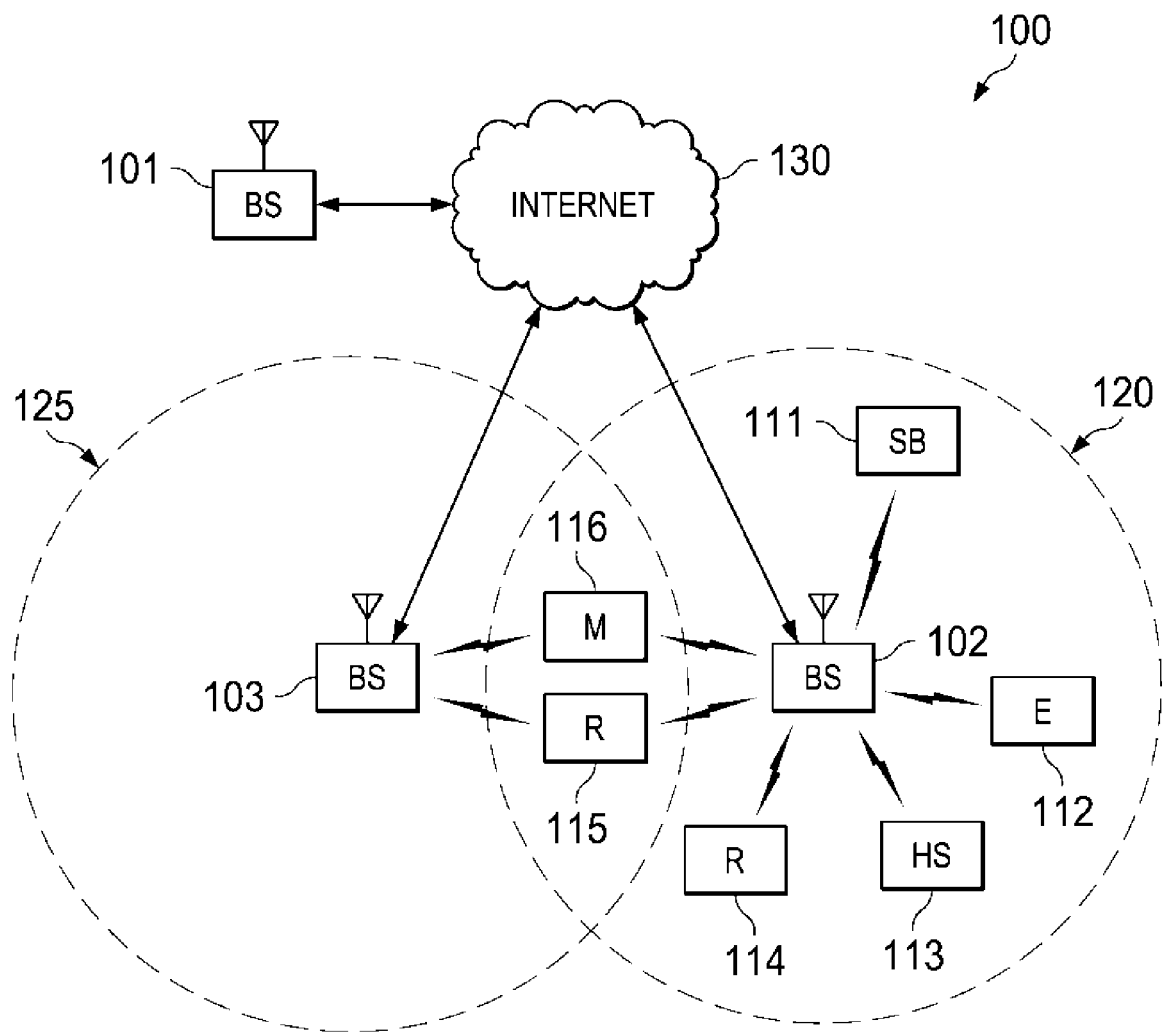
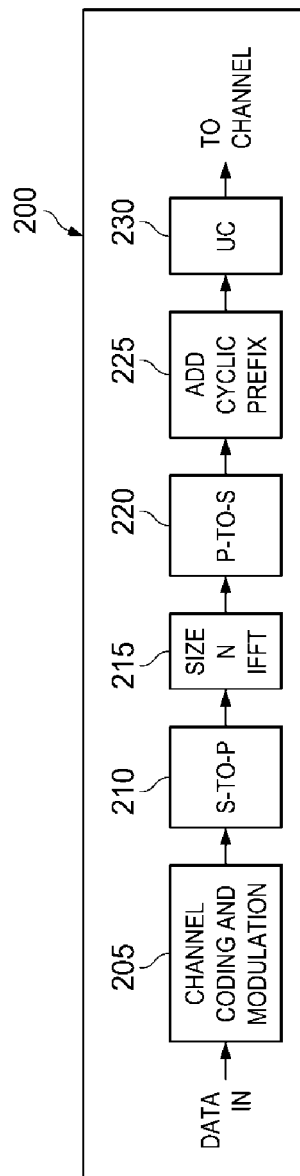


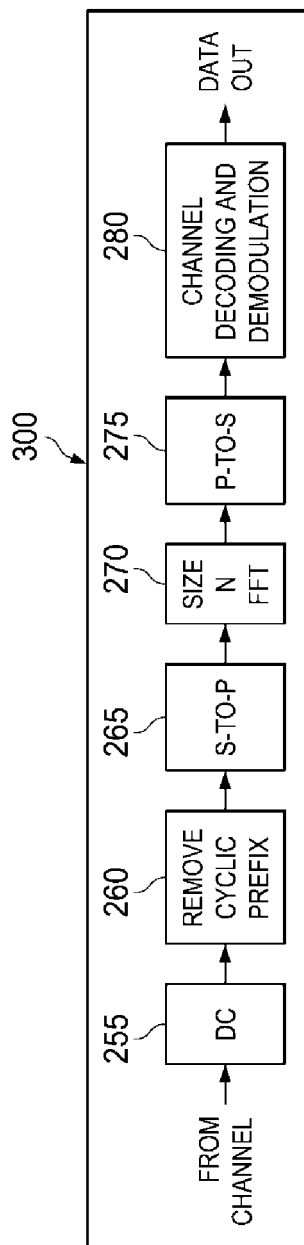
[Fig. 1]



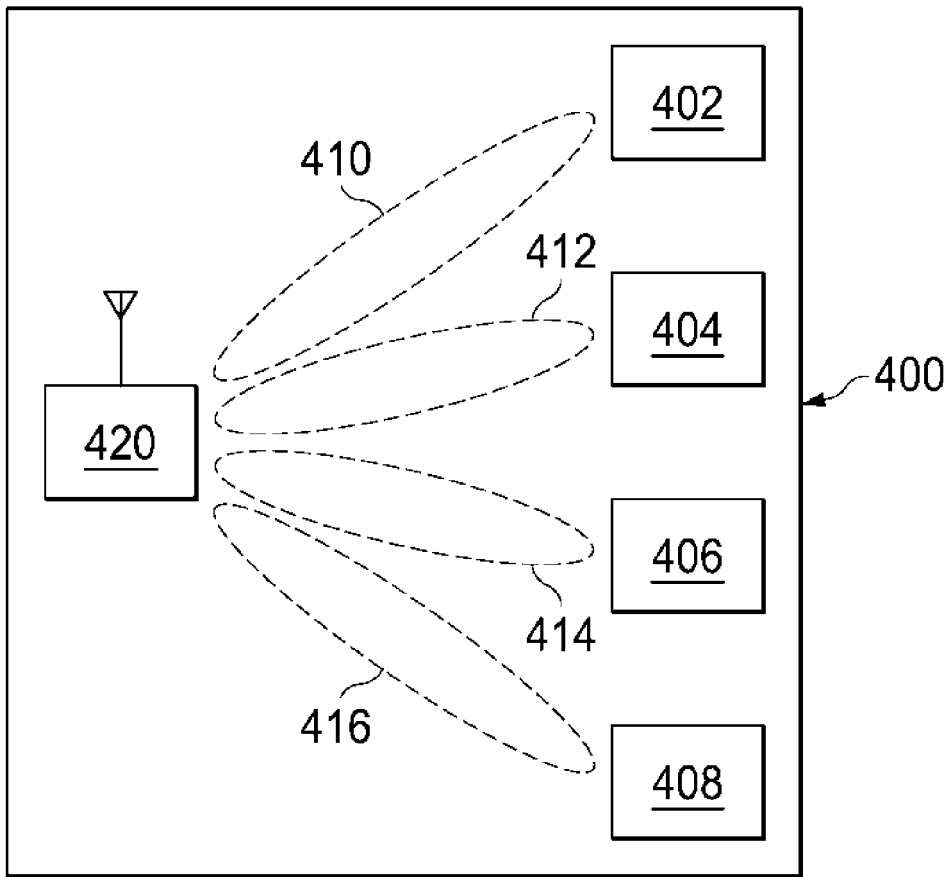
[Fig. 2]



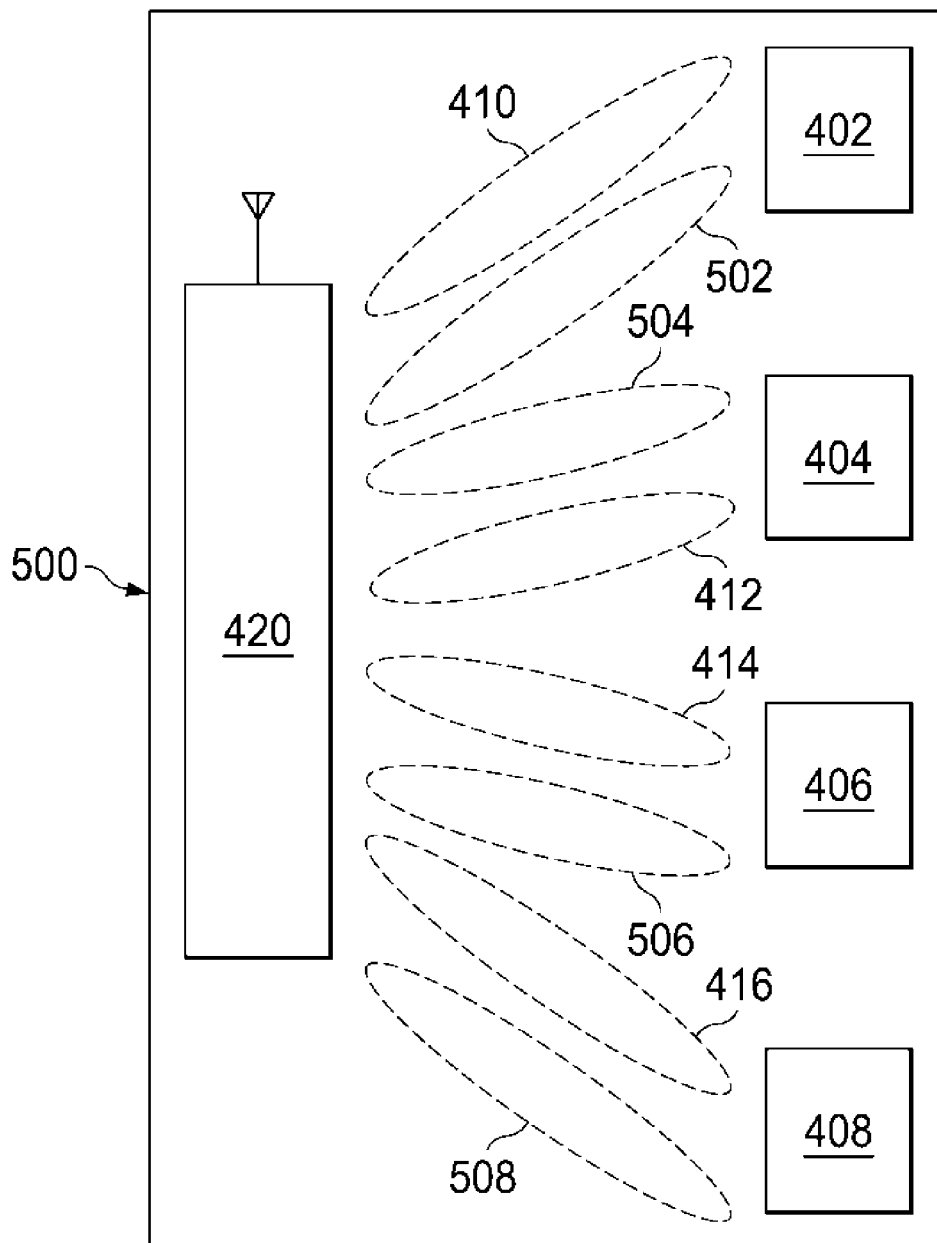
[Fig. 3]



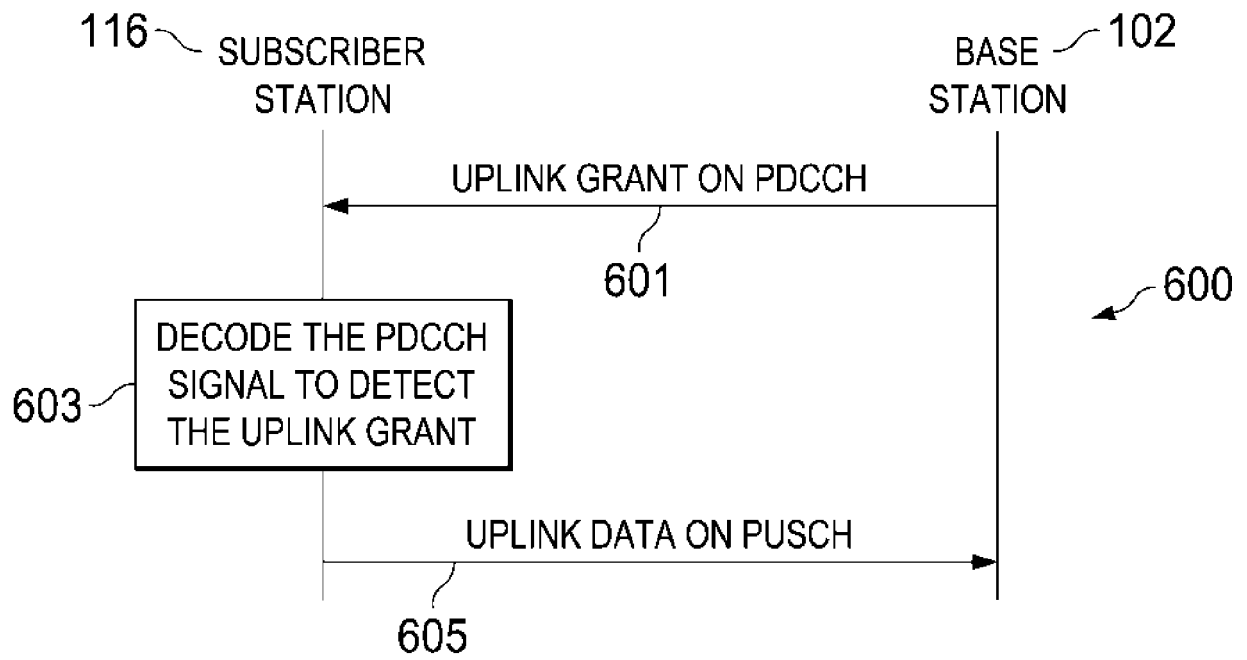
[Fig. 4]



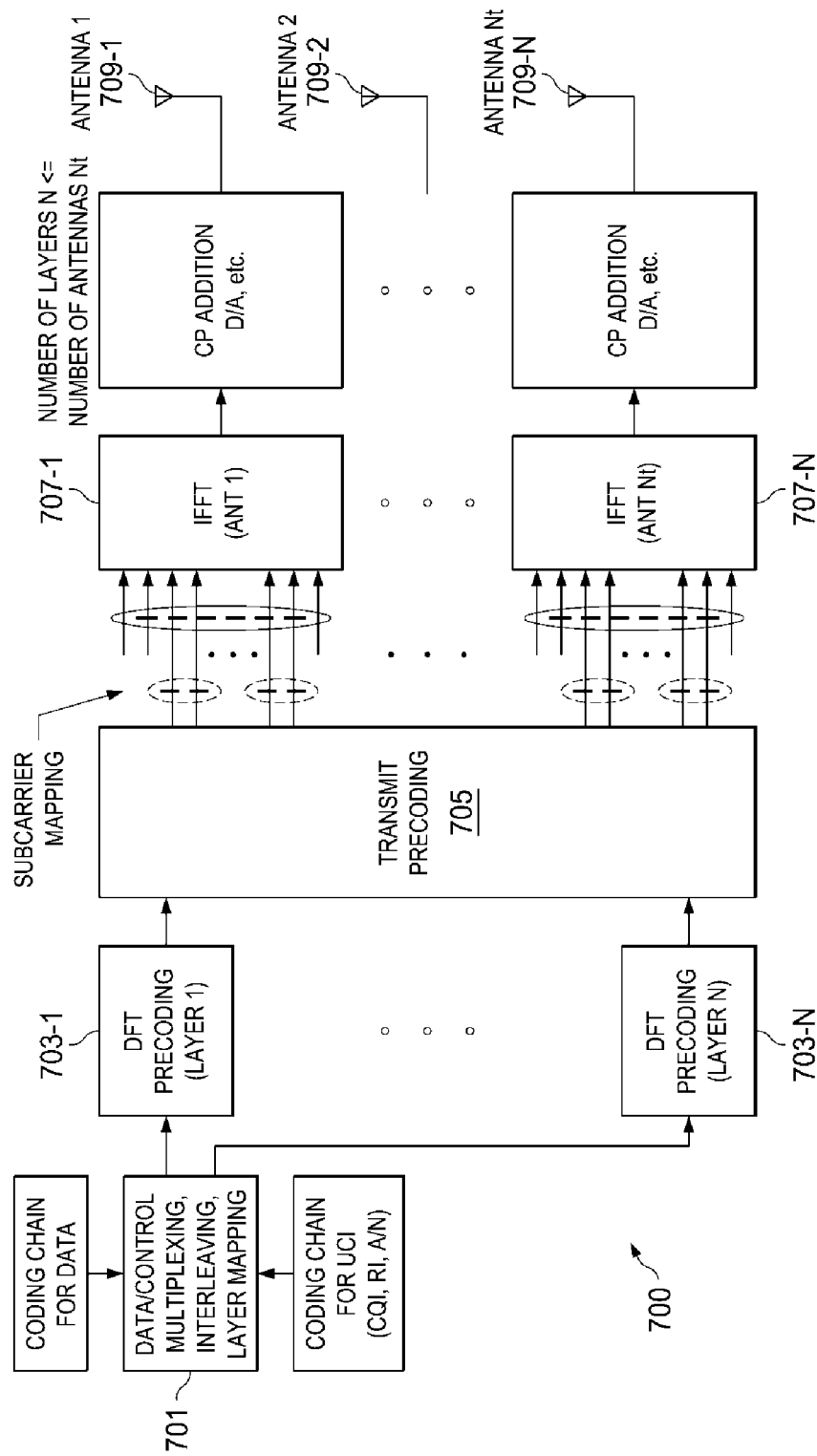
[Fig. 5]



[Fig. 6]



[Fig. 7]



[Fig. 8]

800

| UL TRANSMISSION MODE | DCI FORMAT      | SEARCH SPACE                     | TRANSMISSION SCHEME OF PUSCH CORRESPONDING TO PDCCH             |
|----------------------|-----------------|----------------------------------|-----------------------------------------------------------------|
| UL MODE 1            | DCI FORMAT 0    | COMMON AND UE SPECIFIC BY C-RNTI | SINGLE-ANTENNA PORT, CONTIGUOUS BW ALLOCATION                   |
|                      | DCI FORMAT 0A   | UE SPECIFIC BY C-RNTI            | SINGLE-ANTENNA PORT, NON-CONTIGUOUS BW ALLOCATION               |
| UL MODE 2            | DCI FORMAT 0/0A | COMMON AND UE SPECIFIC BY C-RNTI | SINGLE-ANTENNA PORT, CONTIGUOUS OR NON-CONTIGUOUS BW ALLOCATION |
|                      | DCI FORMAT 0B   | UE SPECIFIC BY C-RNTI            | MULTI-ANTENNA PORT PRECODING                                    |

A

810

| TRANSPORT BLOCK 1 | TRANSPORT BLOCK 2 | CODEWORD 0 (ENABLED) | CODEWORD 1 (DISABLED) |
|-------------------|-------------------|----------------------|-----------------------|
| ENABLED           | DISABLED          | TRANSPORT BLOCK 1    | —                     |
| DISABLED          | ENABLED           | TRANSPORT BLOCK 2    | —                     |

B

[Fig. 9]

900

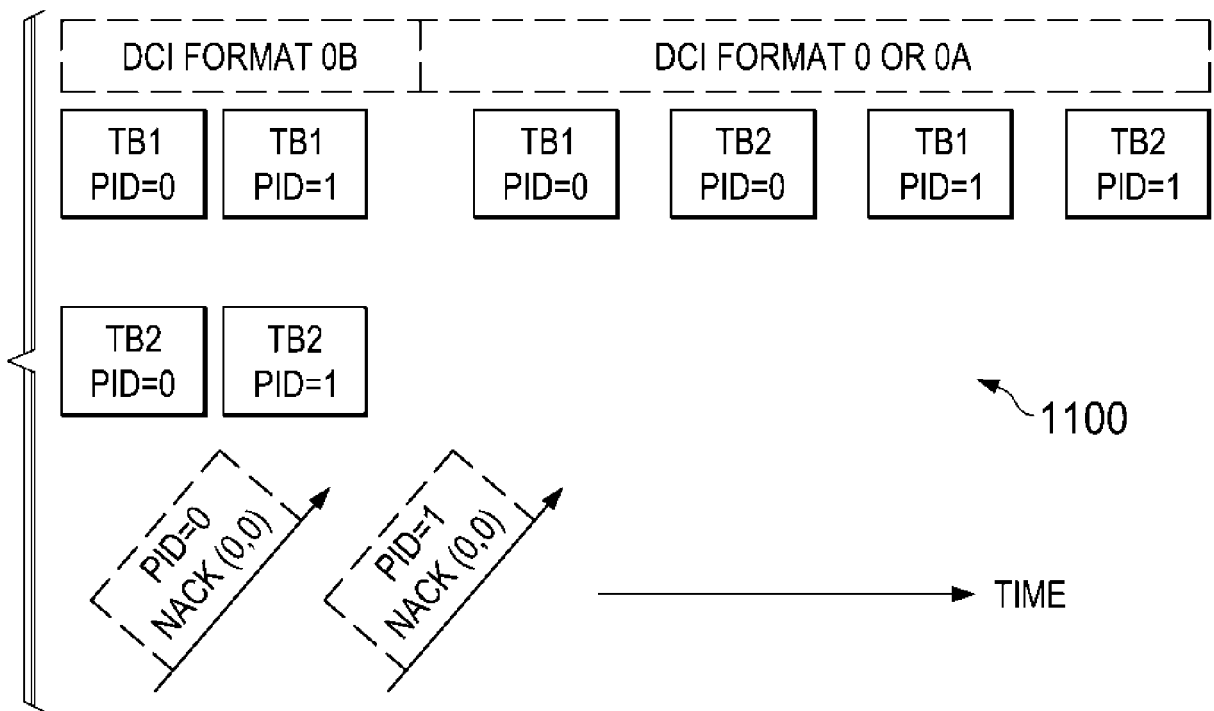
| NUMBER OF LAYERS | NUMBER OF CODEWORDS | CODEWORD-TO-LAYER MAPPING<br>$i = 0, 1, \dots, M_{\text{symb}}^{\text{layer}} - 1$                                                                                                                                |
|------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                | 1                   | $x^{(0)}(i) = d^{(0)}(i)$ $M_{\text{symb}}^{\text{layer}} = M_{\text{symb}}^{(0)}$                                                                                                                                |
| 2                | 2                   | $x^{(0)}(i) = d^{(0)}(i)$<br>$x^{(1)}(i) = d^{(1)}(i)$ $M_{\text{symb}}^{\text{layer}} = M_{\text{symb}}^{(0)} = M_{\text{symb}}^{(1)}$                                                                           |
| 3                | 2                   | $x^{(0)}(i) = d^{(0)}(i)$<br>$x^{(1)}(i) = d^{(1)}(2i)$<br>$x^{(2)}(i) = d^{(1)}(2i+1)$ $M_{\text{symb}}^{\text{layer}} = M_{\text{symb}}^{(0)} = M_{\text{symb}}^{(1)} / 2$                                      |
| 4                | 2                   | $x^{(0)}(i) = d^{(0)}(2i)$<br>$x^{(1)}(i) = d^{(0)}(2i+1)$<br>$x^{(2)}(i) = d^{(1)}(2i)$<br>$x^{(3)}(i) = d^{(1)}(2i+1)$ $M_{\text{symb}}^{\text{layer}} = M_{\text{symb}}^{(0)} / 2 = M_{\text{symb}}^{(1)} / 2$ |

[Fig. 10]

1000

| UL TRANSMISSION MODE | DCI FORMAT    | SEARCH SPACE                     | TRANSMISSION SCHEME OF PUSCH CORRESPONDING TO PDCCH |
|----------------------|---------------|----------------------------------|-----------------------------------------------------|
| UL MODE 1            | DCI FORMAT 0  | COMMON AND UE SPECIFIC BY C-RNTI | SINGLE-ANTENNA PORT, CONTIGUOUS BW ALLOCATION       |
|                      | DCI FORMAT 0A | UE SPECIFIC BY C-RNTI            | SINGLE-ANTENNA PORT, NON-CONTIGUOUS BW ALLOCATION   |
| UL MODE 2            | DCI FORMAT 0  | COMMON AND UE SPECIFIC BY C-RNTI | SINGLE-ANTENNA PORT, CONTIGUOUS BW ALLOCATION       |
|                      | DCI FORMAT 0B | UE SPECIFIC BY C-RNTI            | MULTI-ANTENNA PORT PRECODING                        |

[Fig. 11]



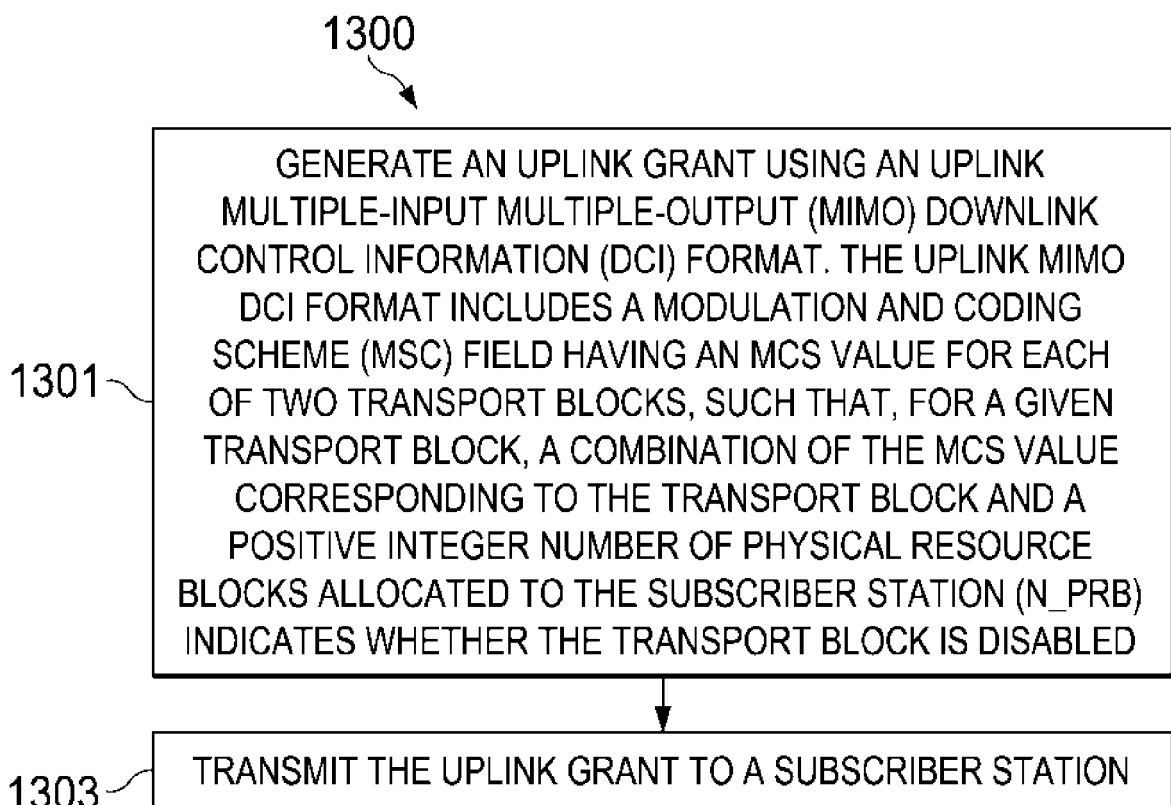
[Fig. 12]

1200

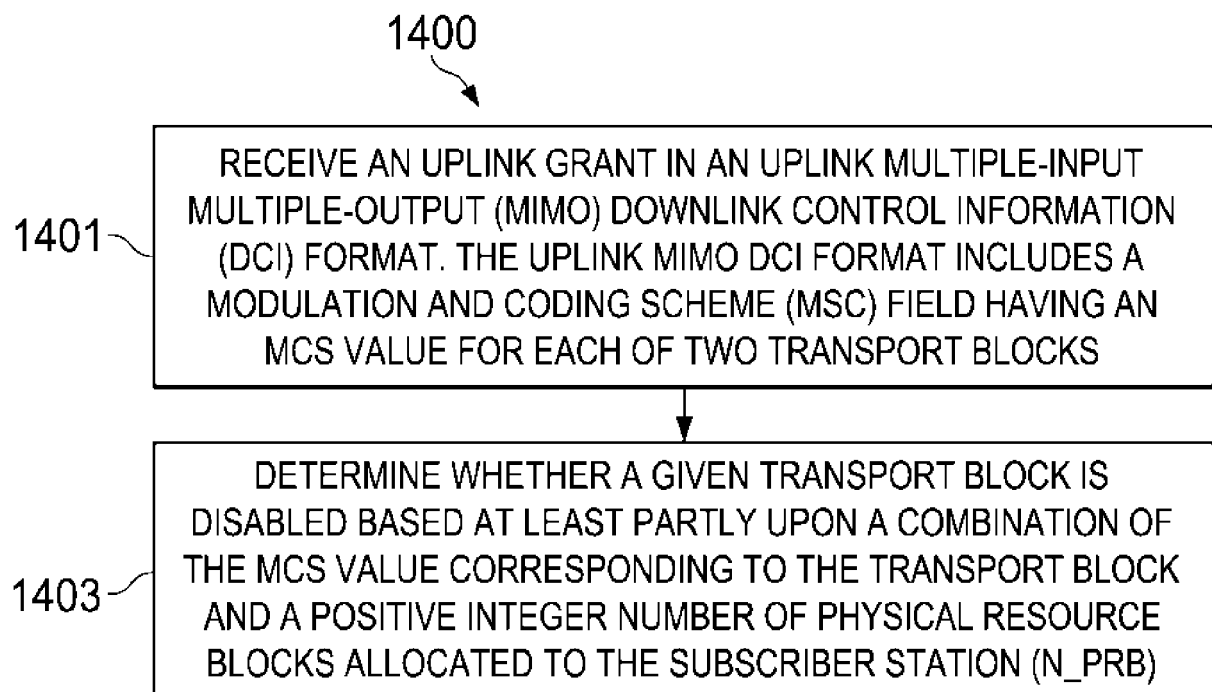


| CYCLIC SHIFT<br>FIELD IN DCI<br>FORMAT 0 [3] | $n_{\text{DMRS}}^{(2)}$ | INDICATED<br>TB INDEX |
|----------------------------------------------|-------------------------|-----------------------|
| 000 (0)                                      | 0                       | TB1                   |
| 001 (1)                                      | 6                       | TB1                   |
| 010 (2)                                      | 3                       | TB1                   |
| 011 (3)                                      | 4                       | TB1                   |
| 100 (4)                                      | 2                       | TB2                   |
| 101 (5)                                      | 8                       | TB2                   |
| 110 (6)                                      | 10                      | TB2                   |
| 111 (7)                                      | 9                       | TB2                   |

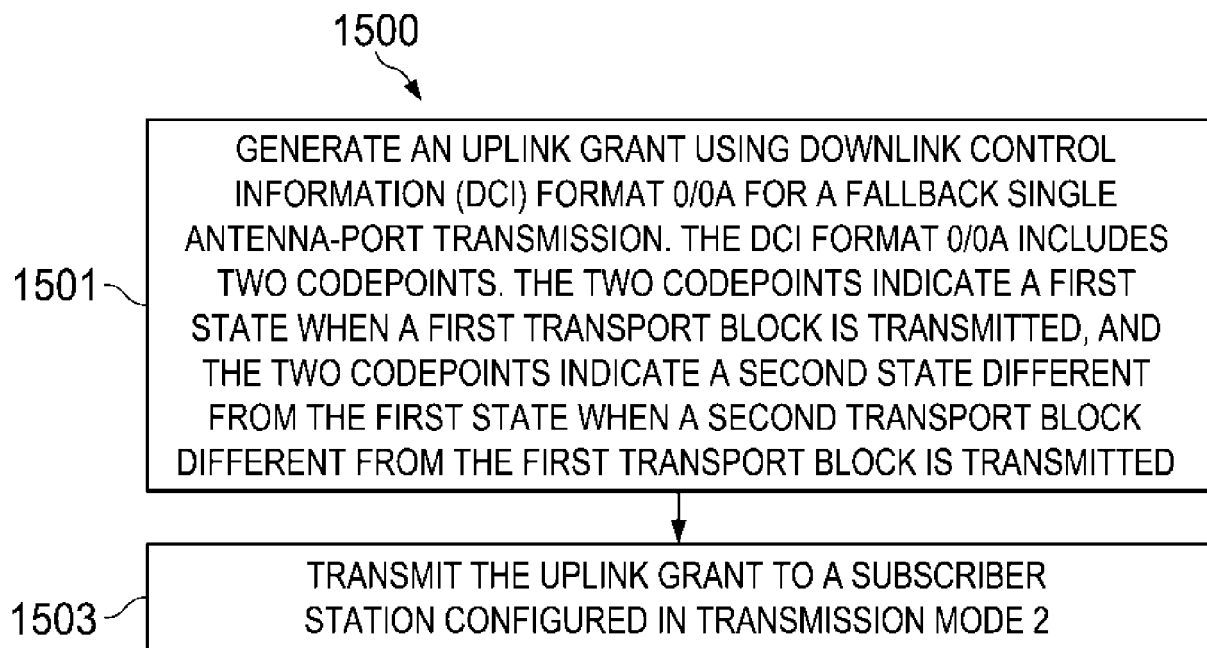
[Fig. 13]



[Fig. 14]



[Fig. 15]



[Fig. 16]

