

100

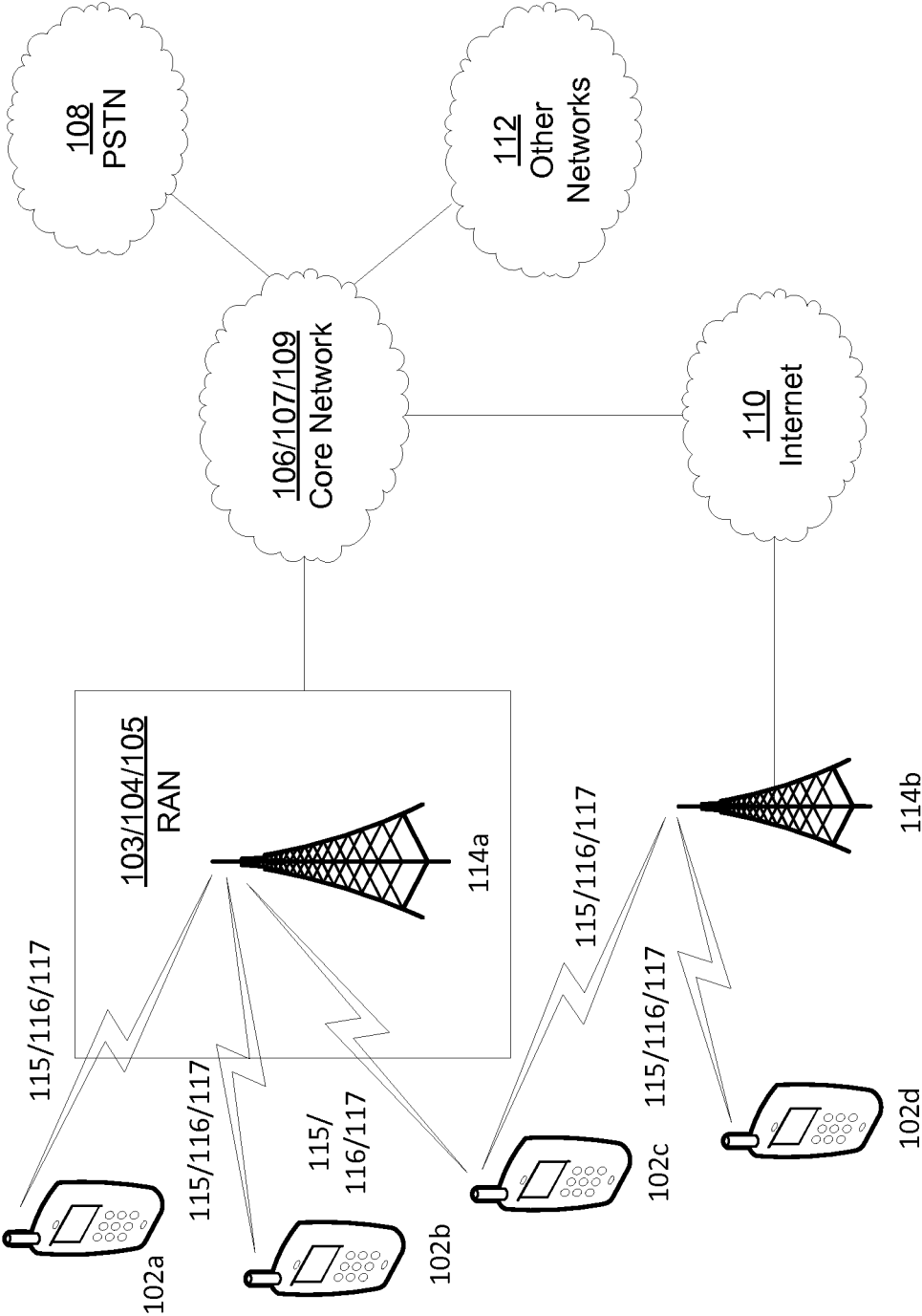


FIG. 1A

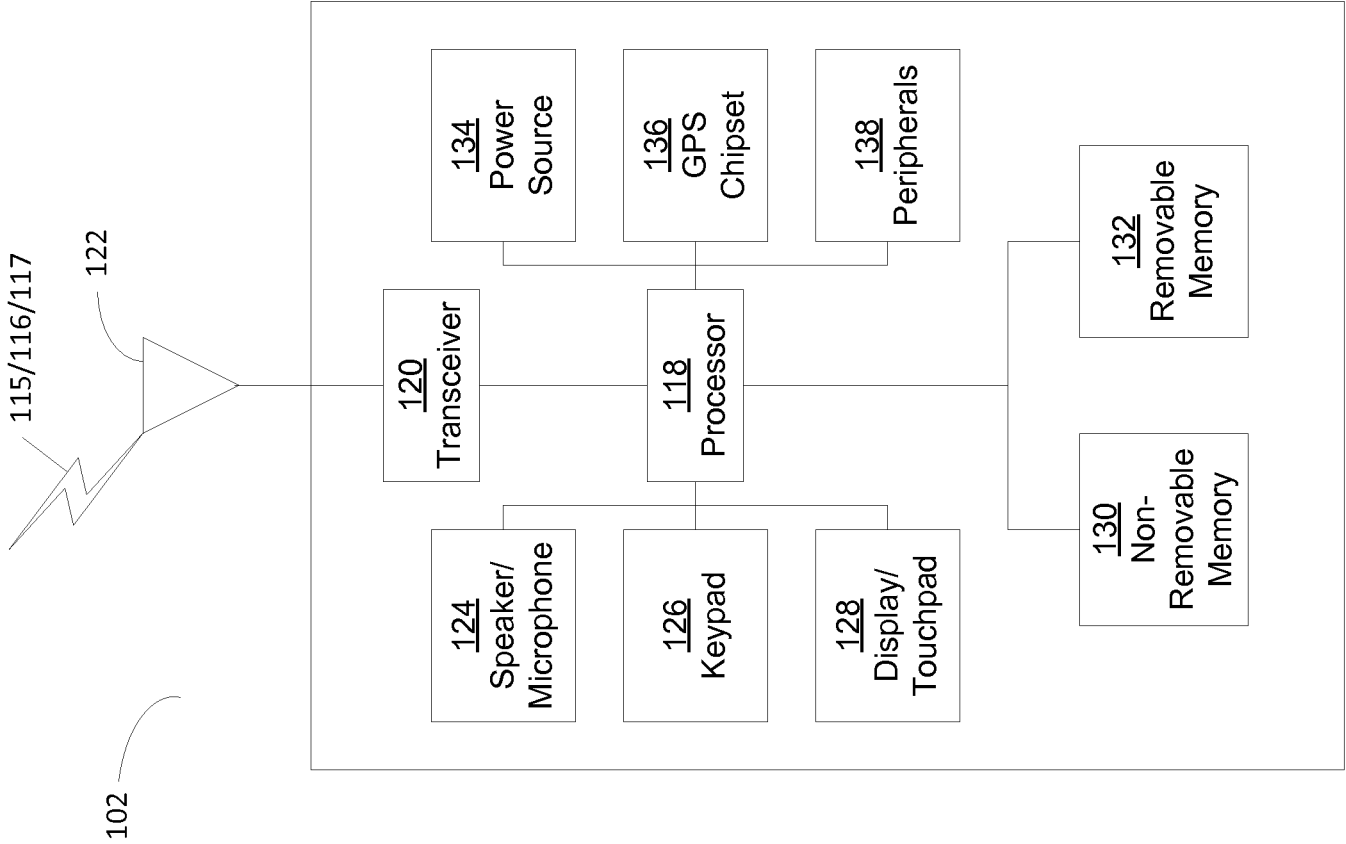


FIG. 1B

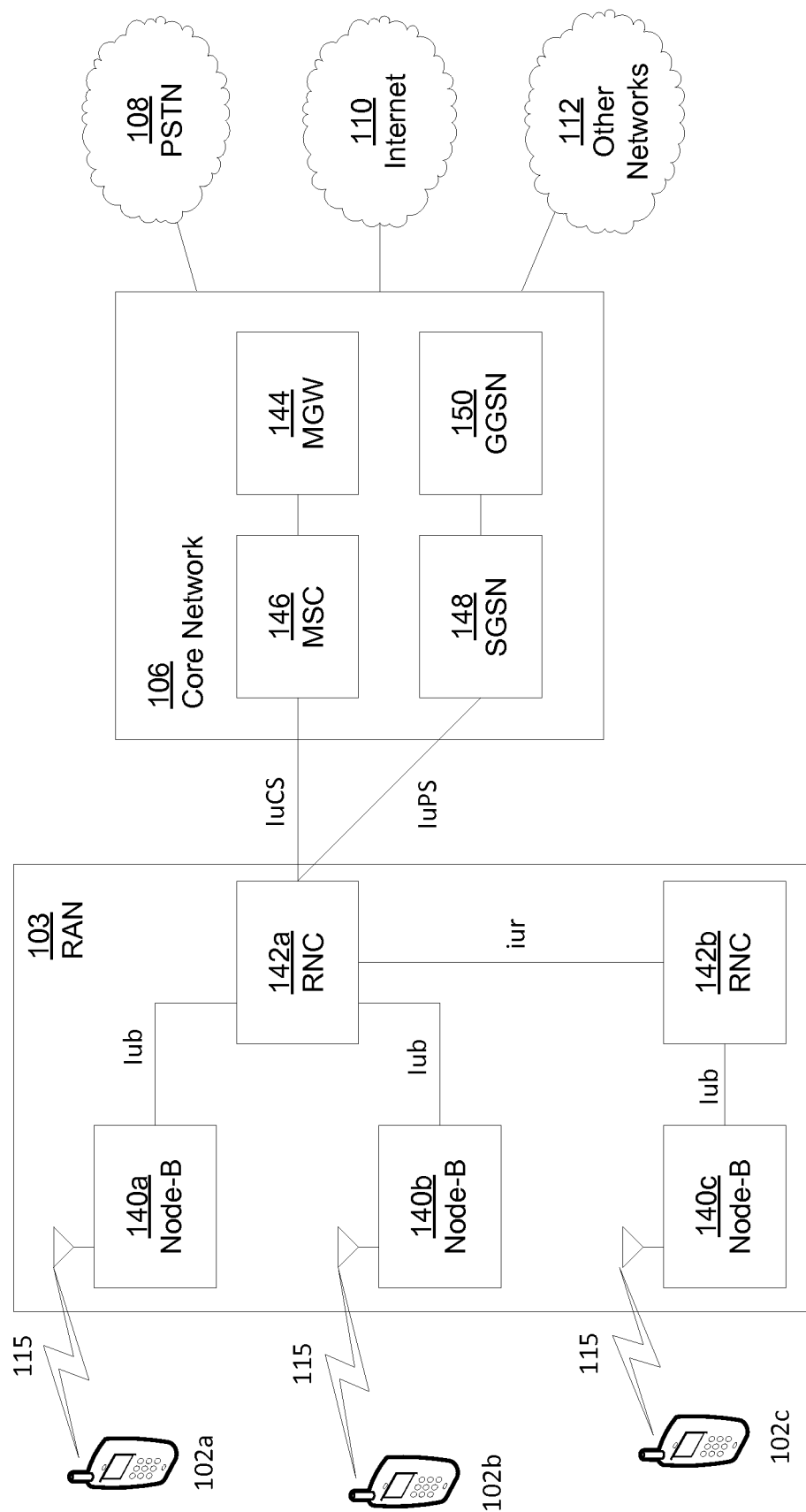


FIG. 1C

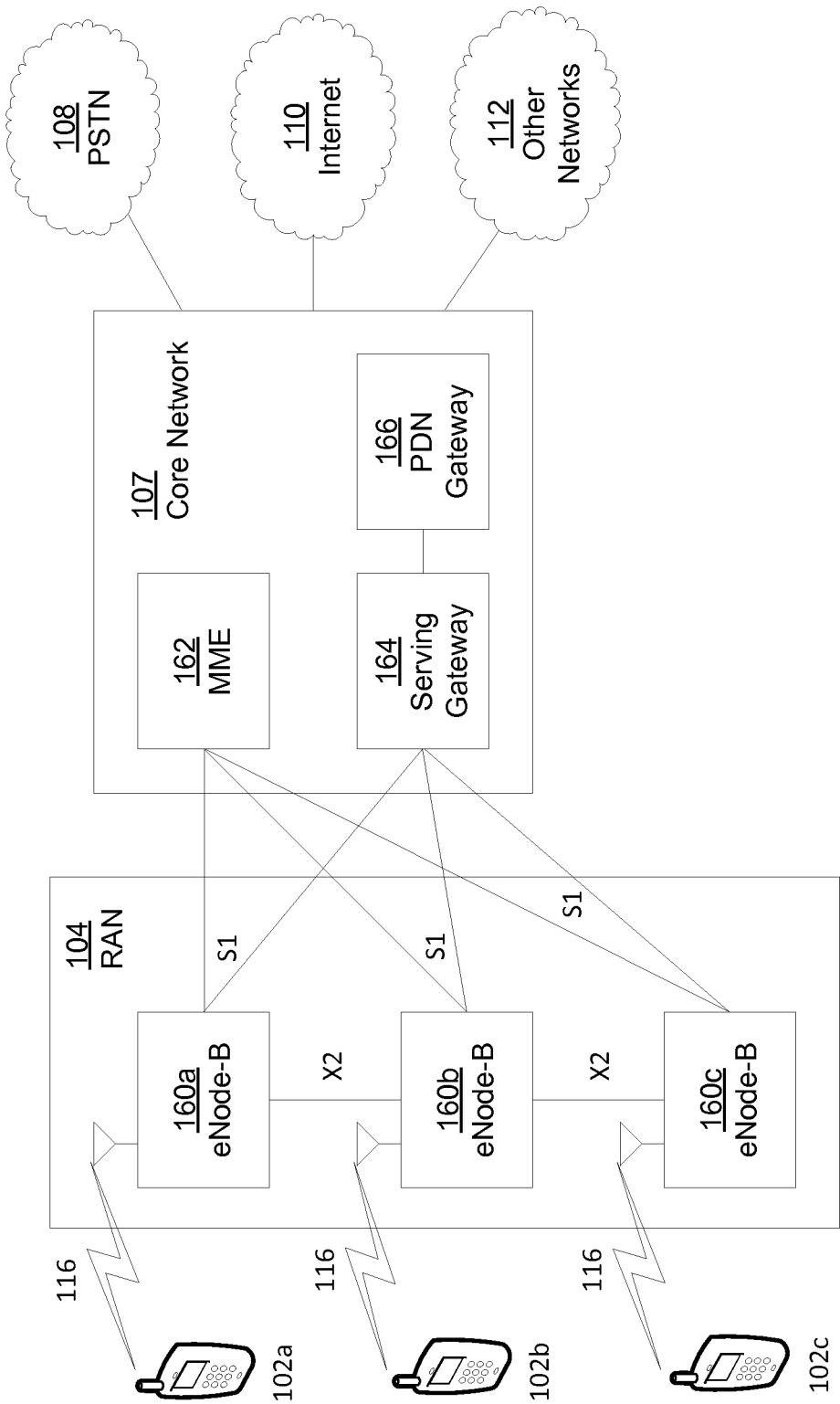


FIG. 1D

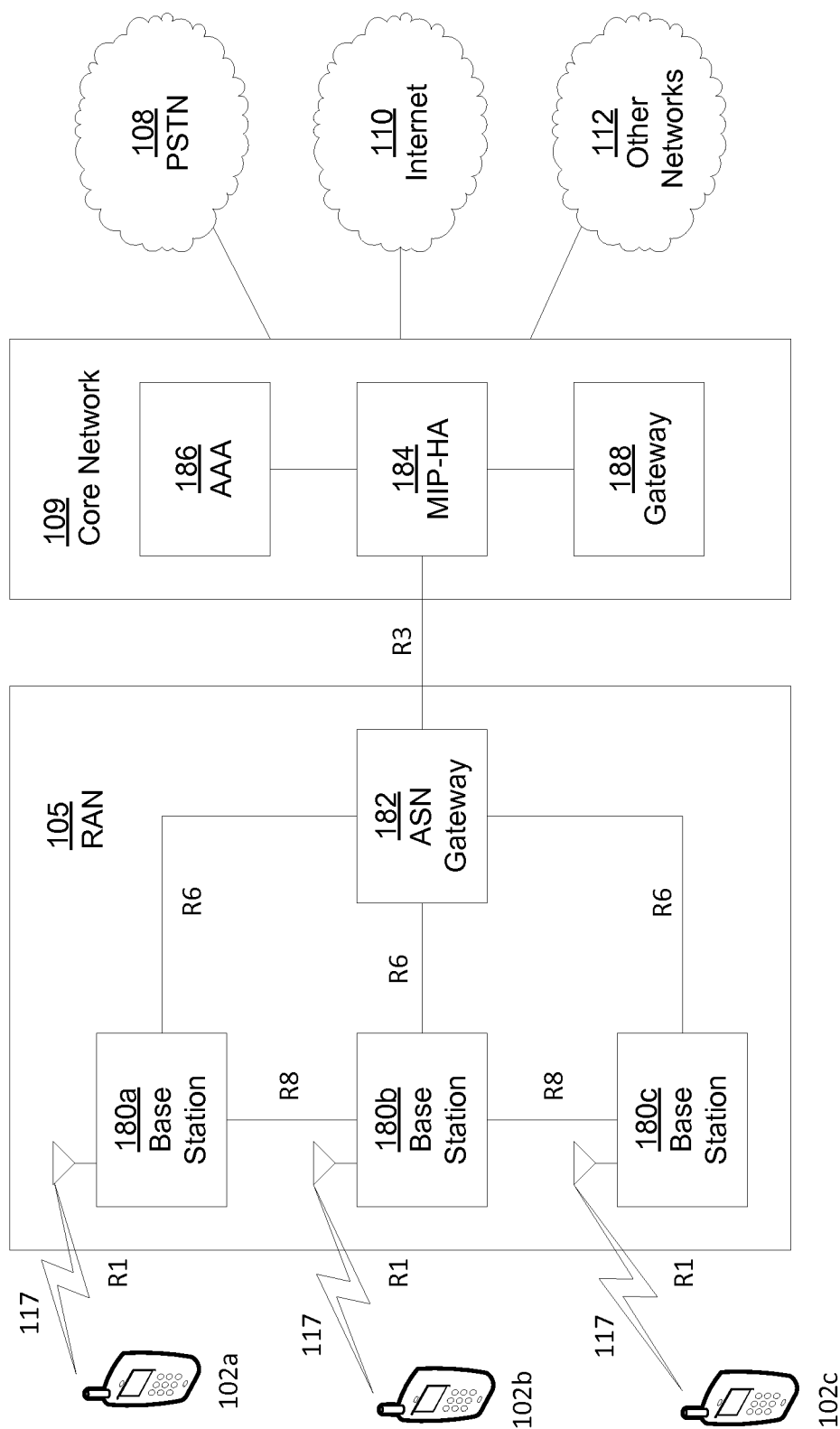


FIG. 1E

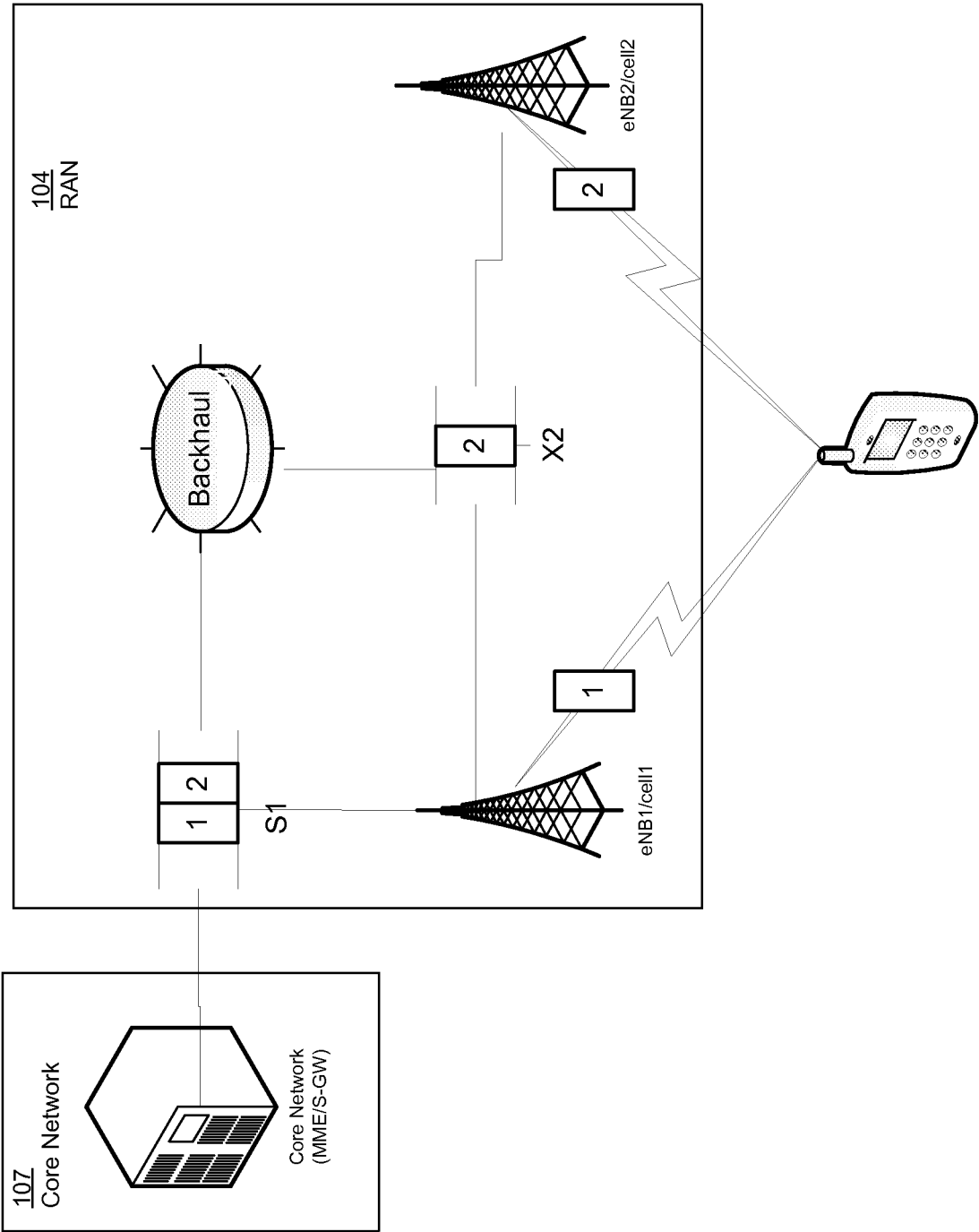


FIG. 2A

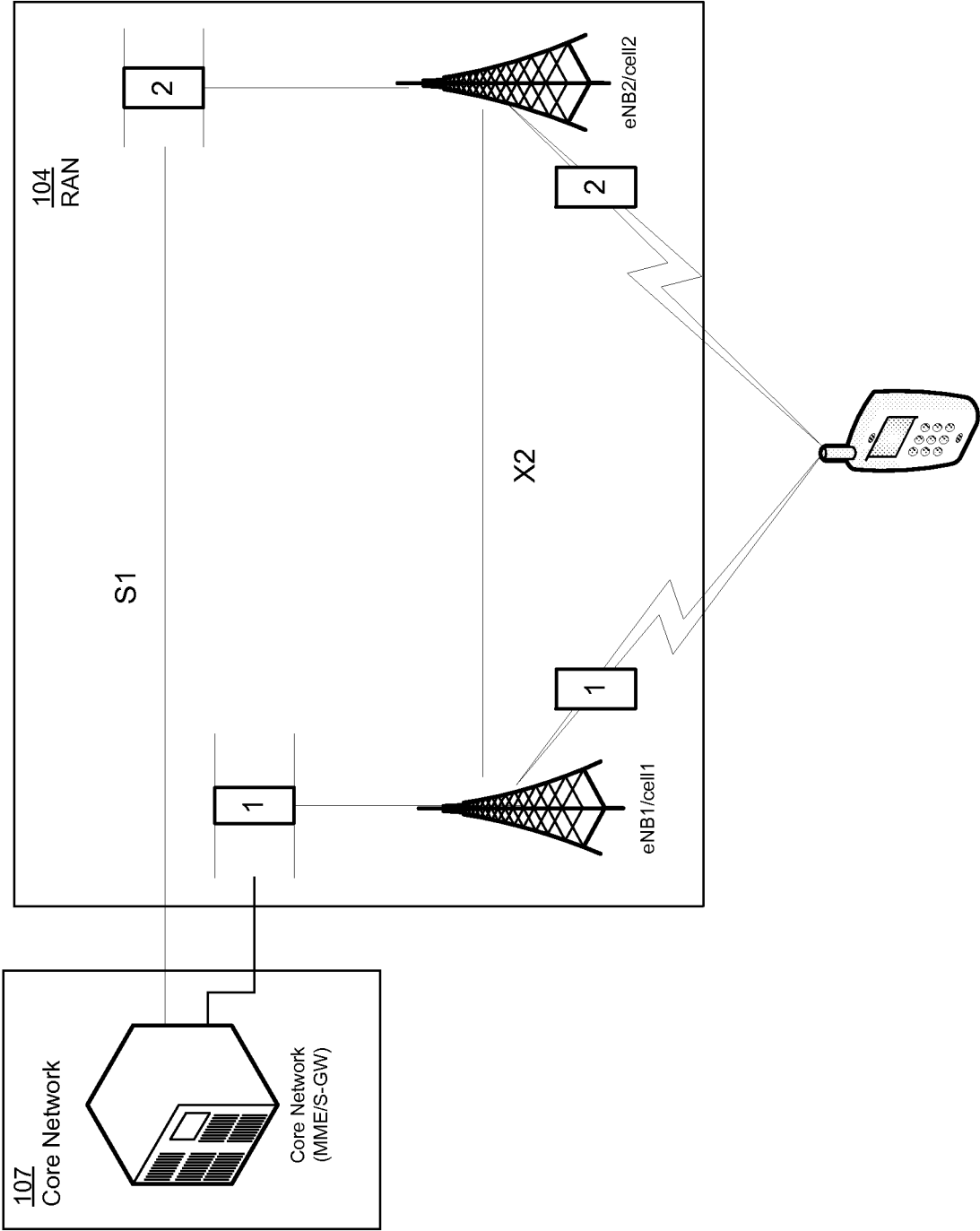


FIG. 2B

300

| sf   | 0 | 1 | 2 | 3  | 4  | 5 | 6 | 7  | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  |
|------|---|---|---|----|----|---|---|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| g(k) | G | G | G | NA | NA | G | G | NA | G+3 | G+3 | NA  | NA  | G+3 | G+3 | NA  | NA  | G+3 | G+3 | G+2 |
| xmit | Y | Y | Y | N  | N  | Y | Y | N  | Y   | Y   | N   | N   | Y   | Y   | N   | N   | Y   | Y   | Y   |
| TPC  | 0 | 0 | 0 | 0  | +3 | 0 | 0 | 0  | 0   | 0   | 0   | 0   | 0   | 0   | -1  | 0   | 0   | 0   | 0   |
| des. |   |   |   |    |    |   |   |    | G+3 | G+3 | G+3 | G+3 | G+3 | G+3 | G+3 | G+3 | G+3 | G+3 | G+2 |

sf = subframe = k  
g(k) = TPC factor in subframe k  
xmit: Y= transmitted to (intended for) this eNB  
TPC = TPC command  
des. = eNB's desired TPC factor value

FIG. 3

400

| sf     | 0 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  |
|--------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| g(k)   | G | G+2 | G+2 | G+2 | G+2 | G+2 | G+2 | G+2 | G+3 | G+4 | G+4 | G+4 | G+3 | G+3 | G+4 | G+4 | G+4 | G+4 | G+4 |
| xmit   | 1 | 1,2 | 1,2 | 1   | 1   | 1,2 | 1   | 1   | 1   | 1,2 | 1,2 | 1,2 | 1   | 1   | 1,2 | 1,2 | 1,2 | 1,2 | 1,2 |
| TPC 1  | 0 | 0   | 0   | 0   | +3  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | -1  | 0   | 0   | 0   | 0   | 0   |
| TPC 2  | 0 | 0   | 0   | 0   | 0   | +2  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| des. 1 |   |     |     |     |     |     |     |     | G+3 | G+3 | G+3 | G+3 | G+3 | G+3 | G+3 | G+3 | G+3 | G+3 | G+3 |
| des. 2 |   |     |     |     |     |     |     |     |     | G+4 | G+4 | G+4 | G+4 | G+4 | G+4 | G+4 | G+4 | G+4 | G+4 |

sf = subframe = k  
g(k) = TPC factor in subframe k  
xmit: 1 indicates transmission where only eNB1 may receive it;  
1,2 indicates transmission where both eNB1 and eNB2 may receive it  
TPC x = TPC command from eNBx  
des. x = desired TPC factor value for eNBx

FIG. 4

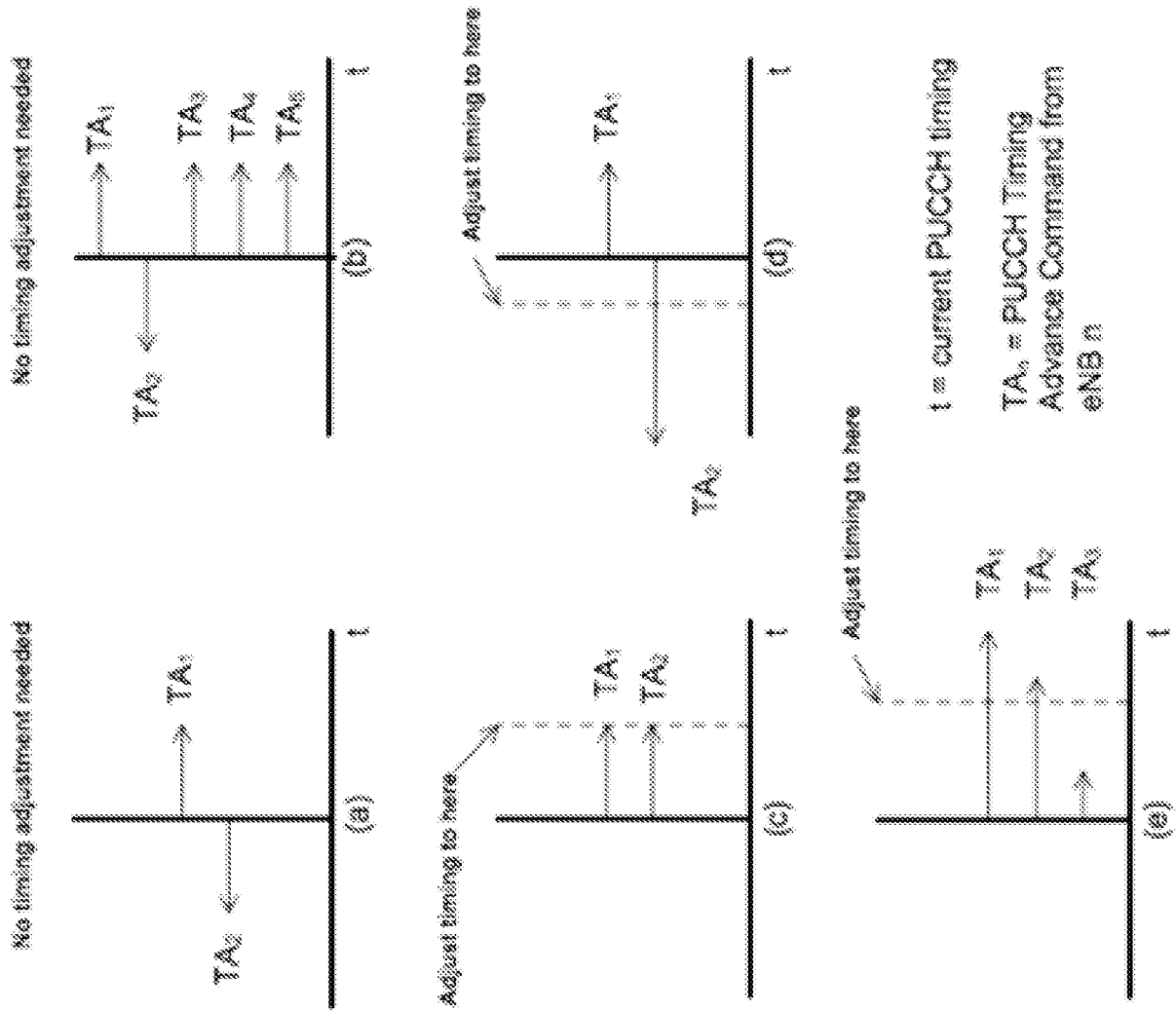


FIG. 5

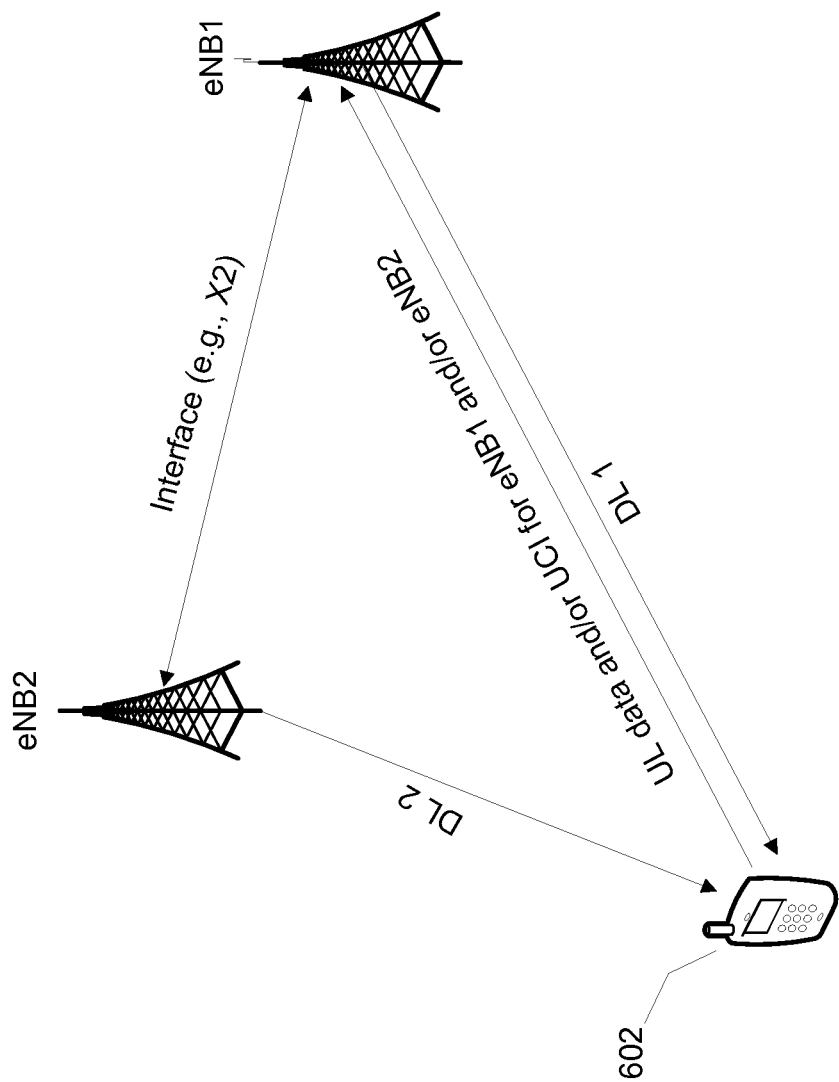


FIG. 6

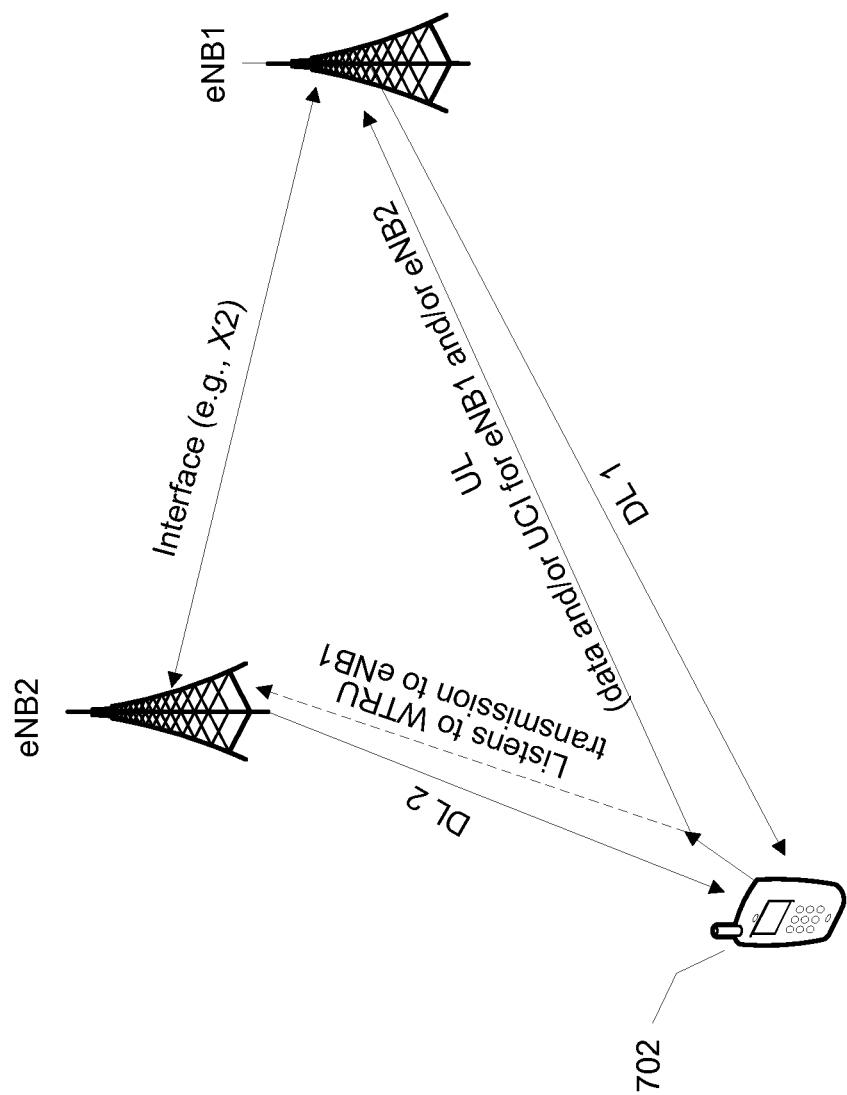


FIG. 7

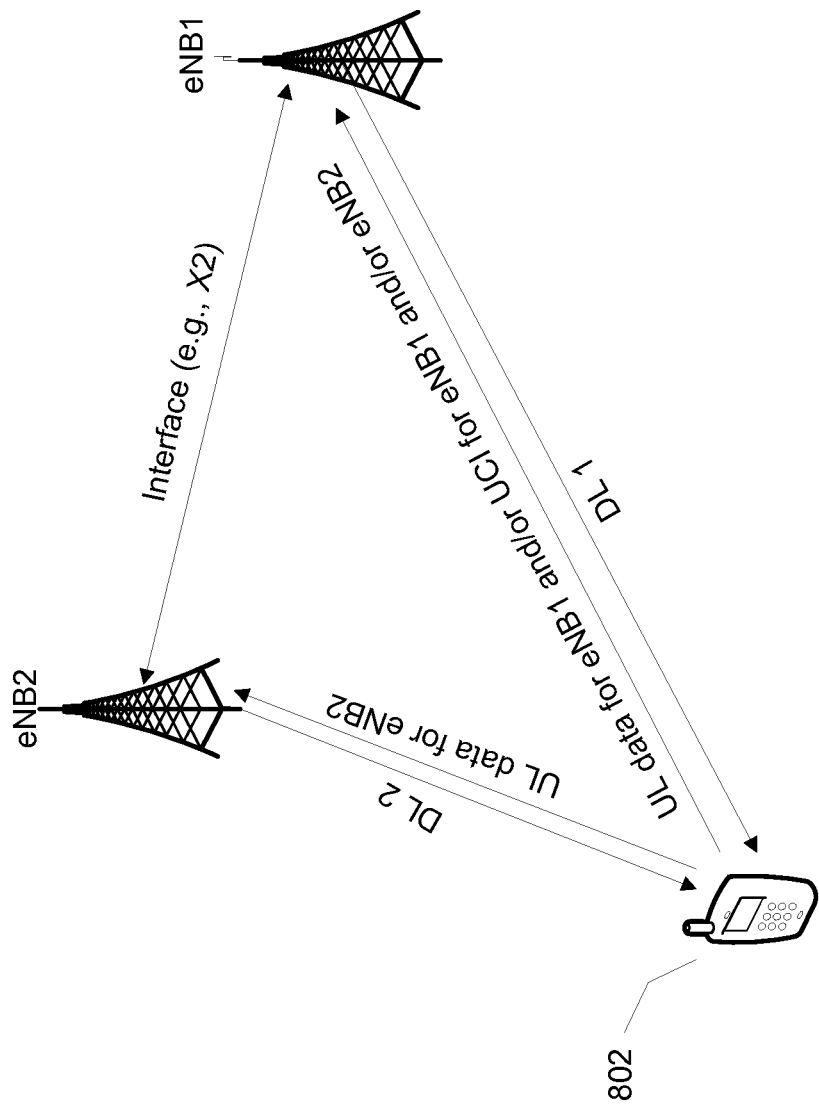


FIG. 8

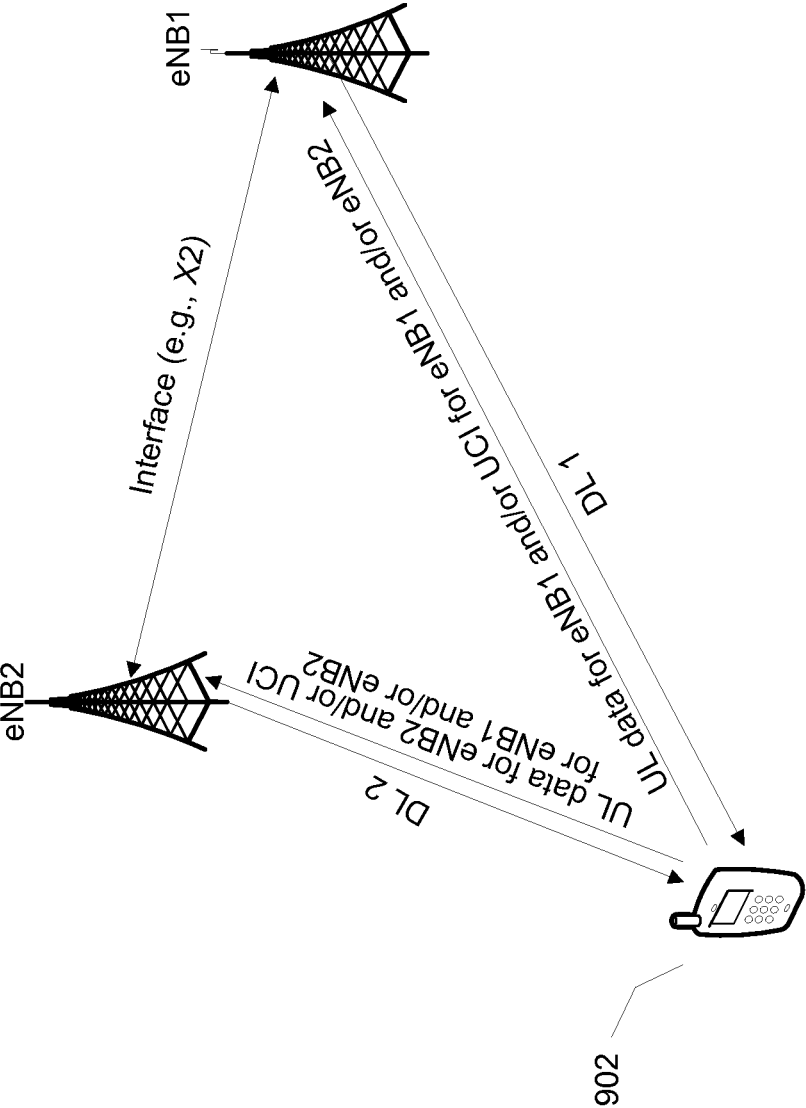


FIG. 9

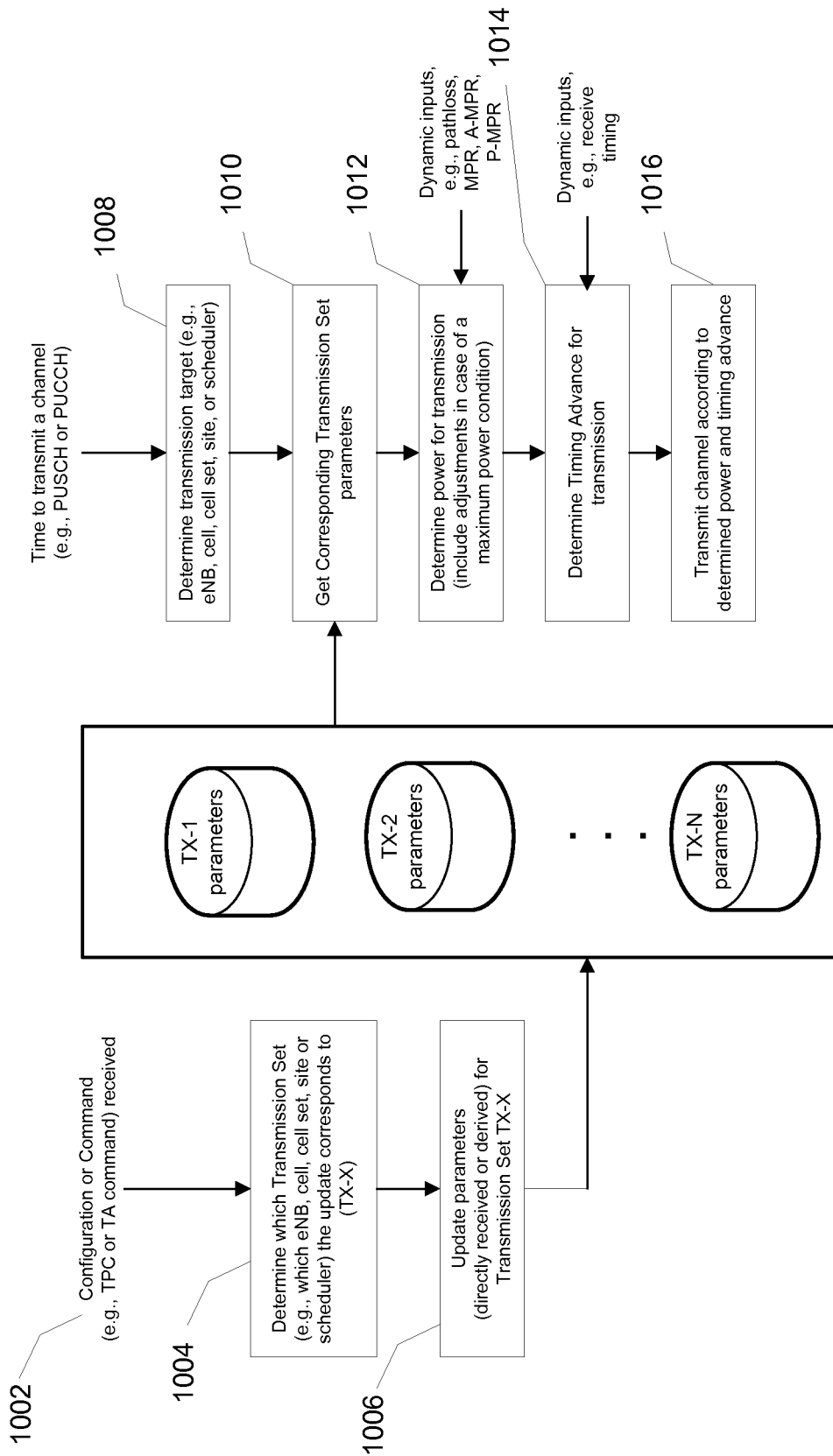


FIG. 10

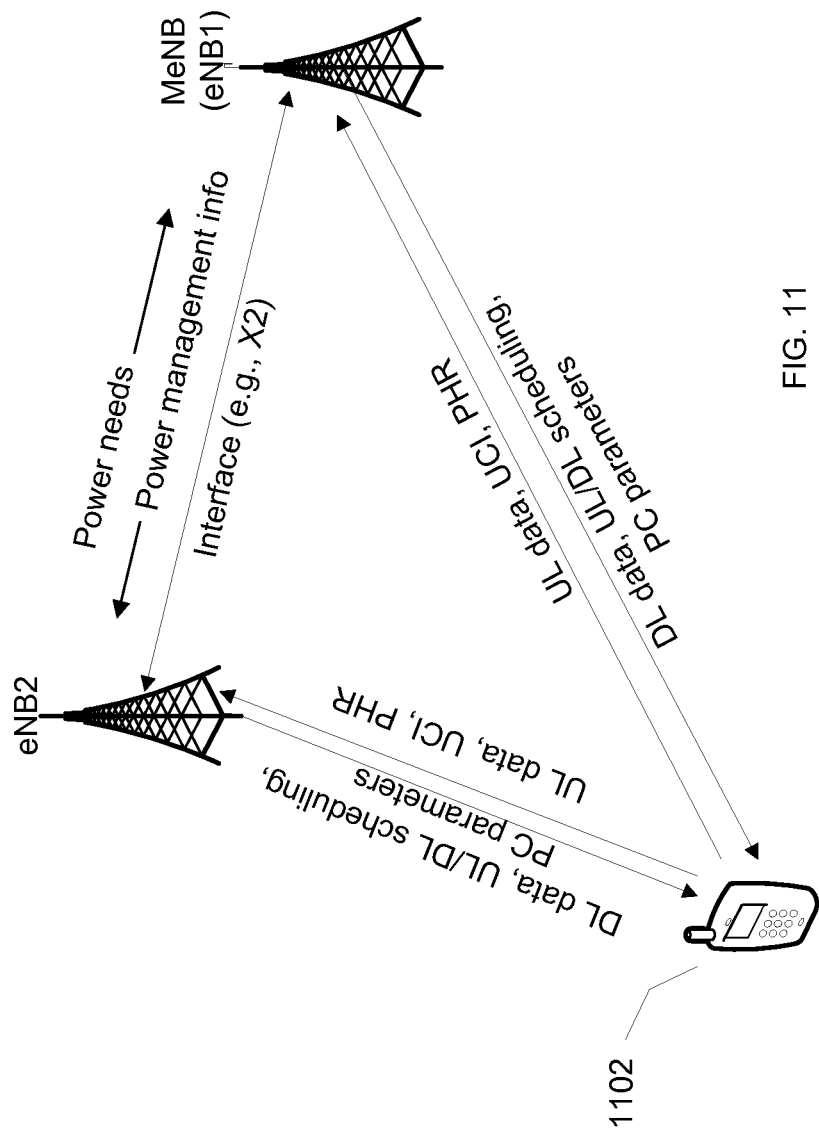


FIG. 11

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