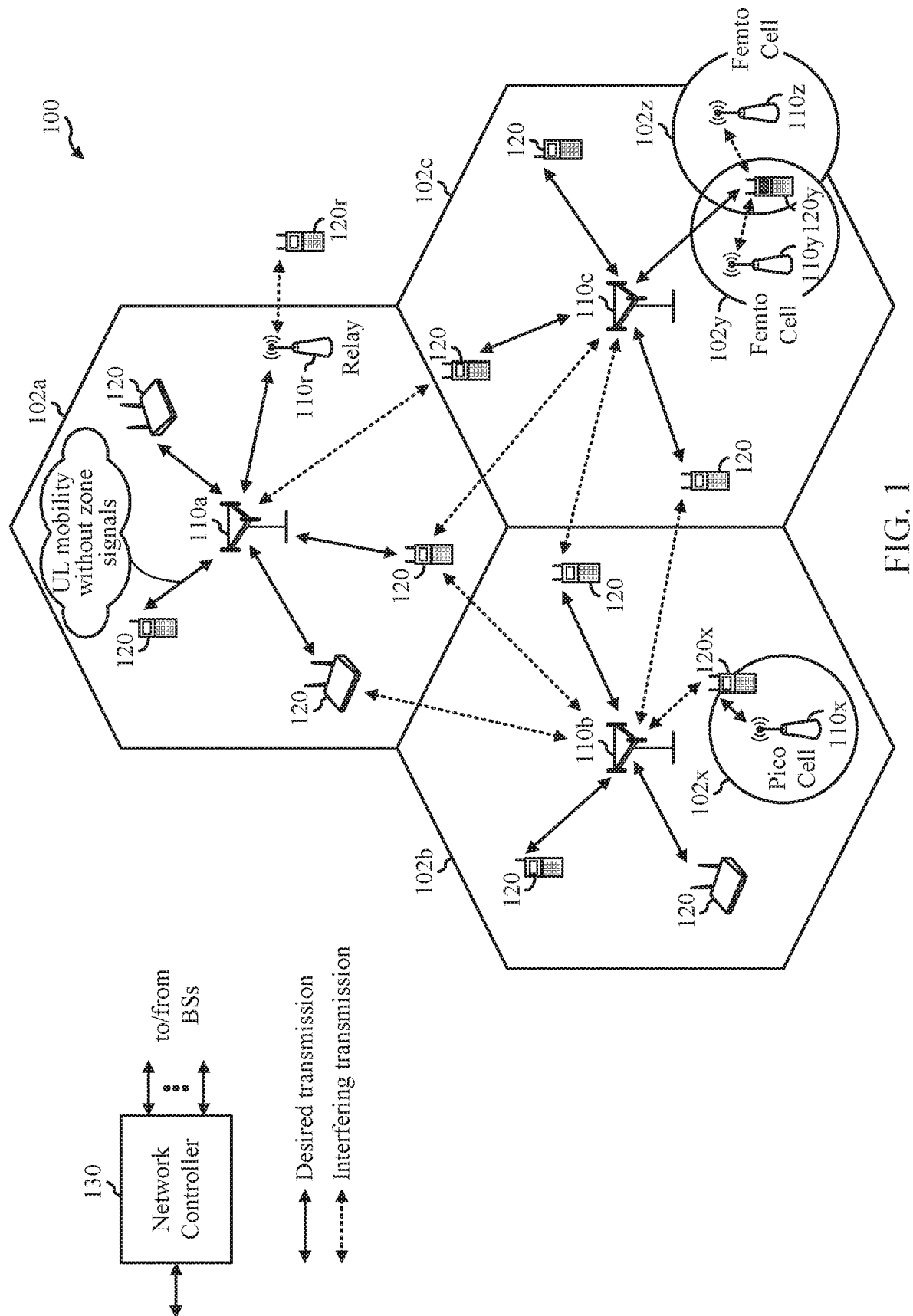




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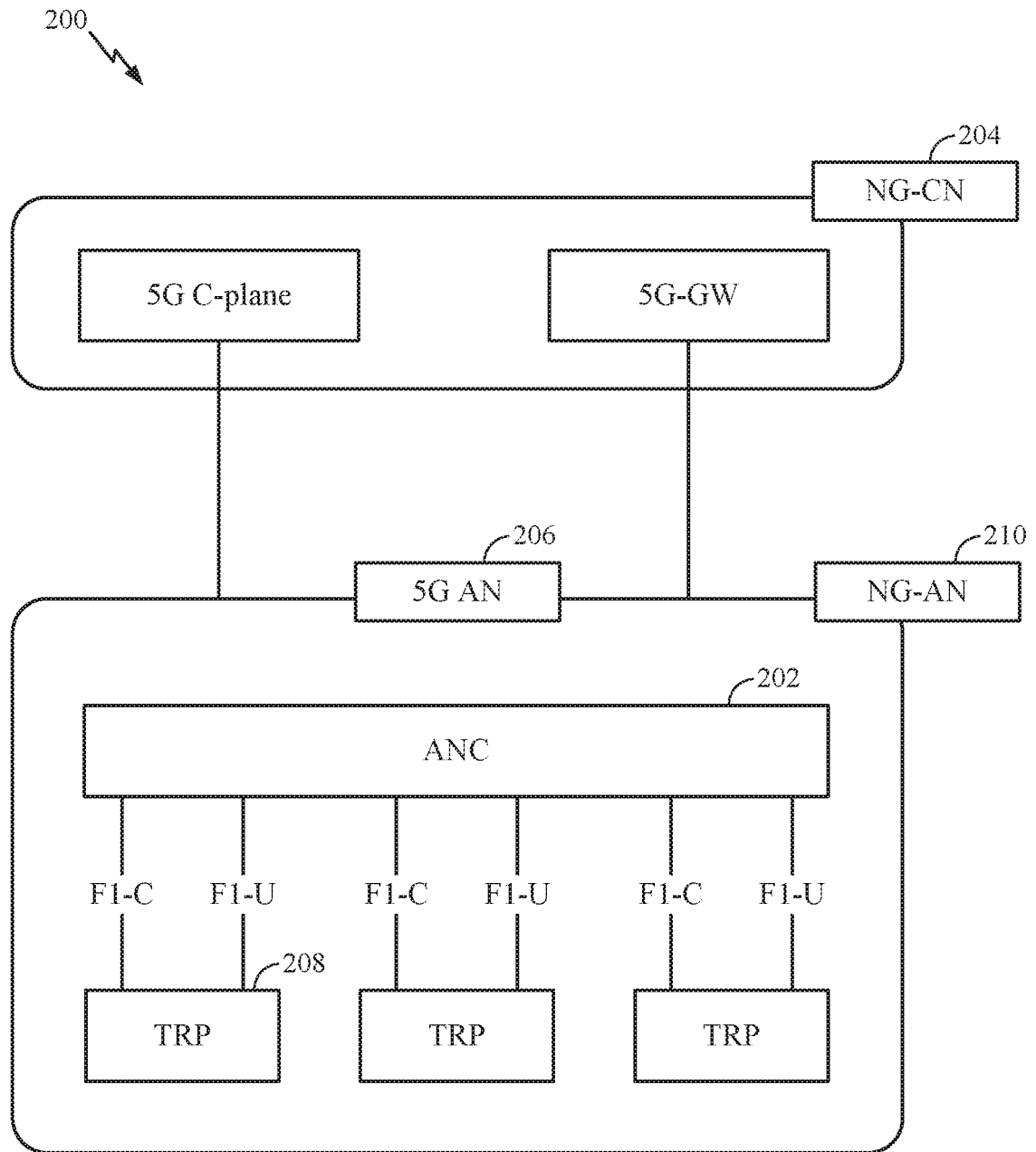


FIG. 2

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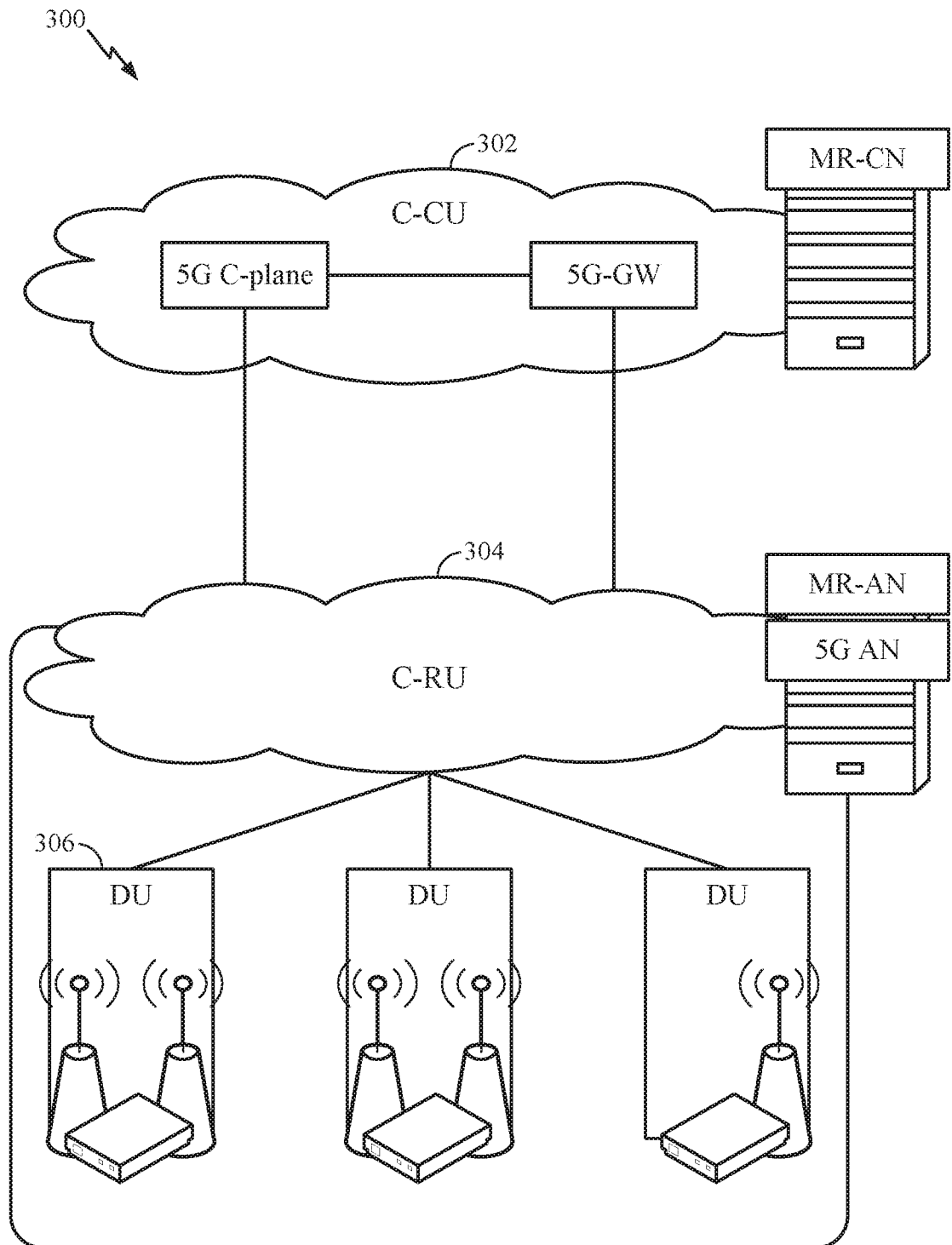


FIG. 3

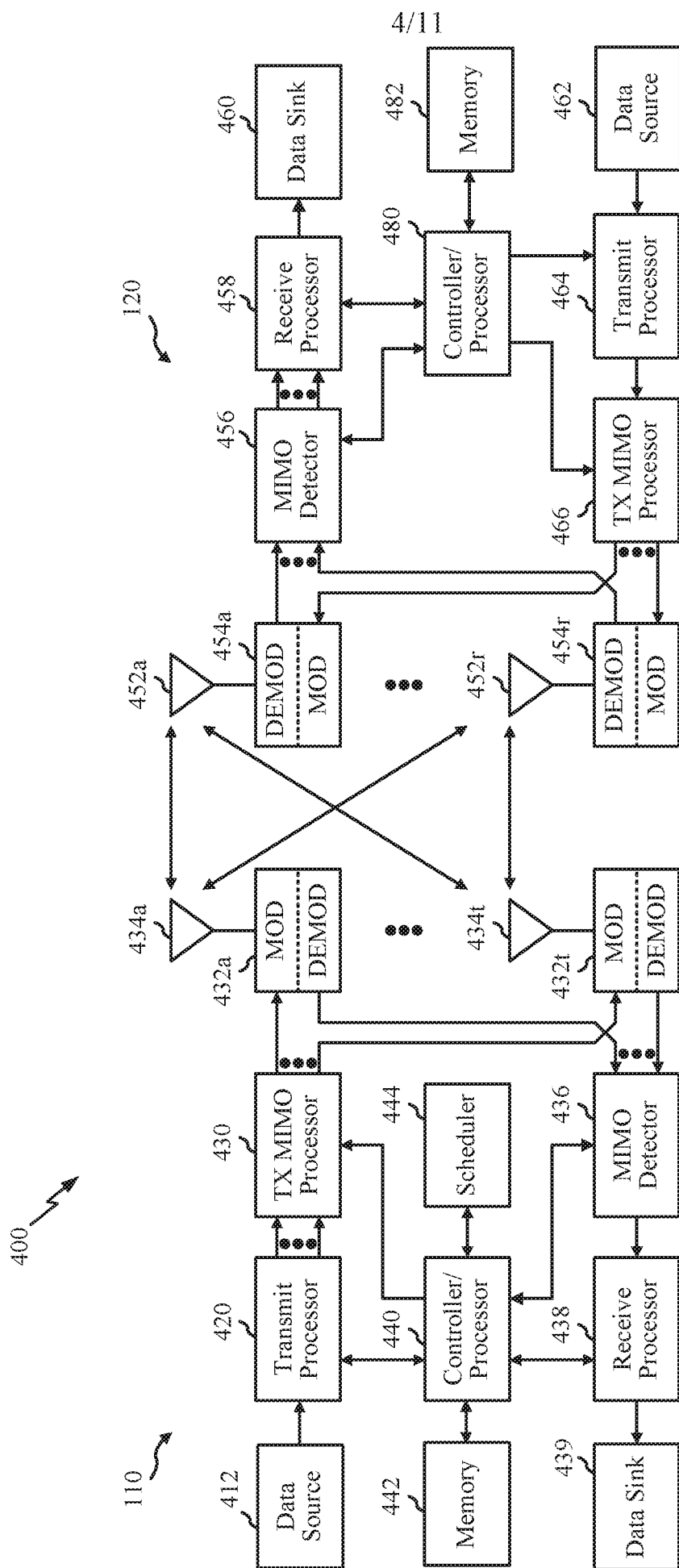


FIG. 4

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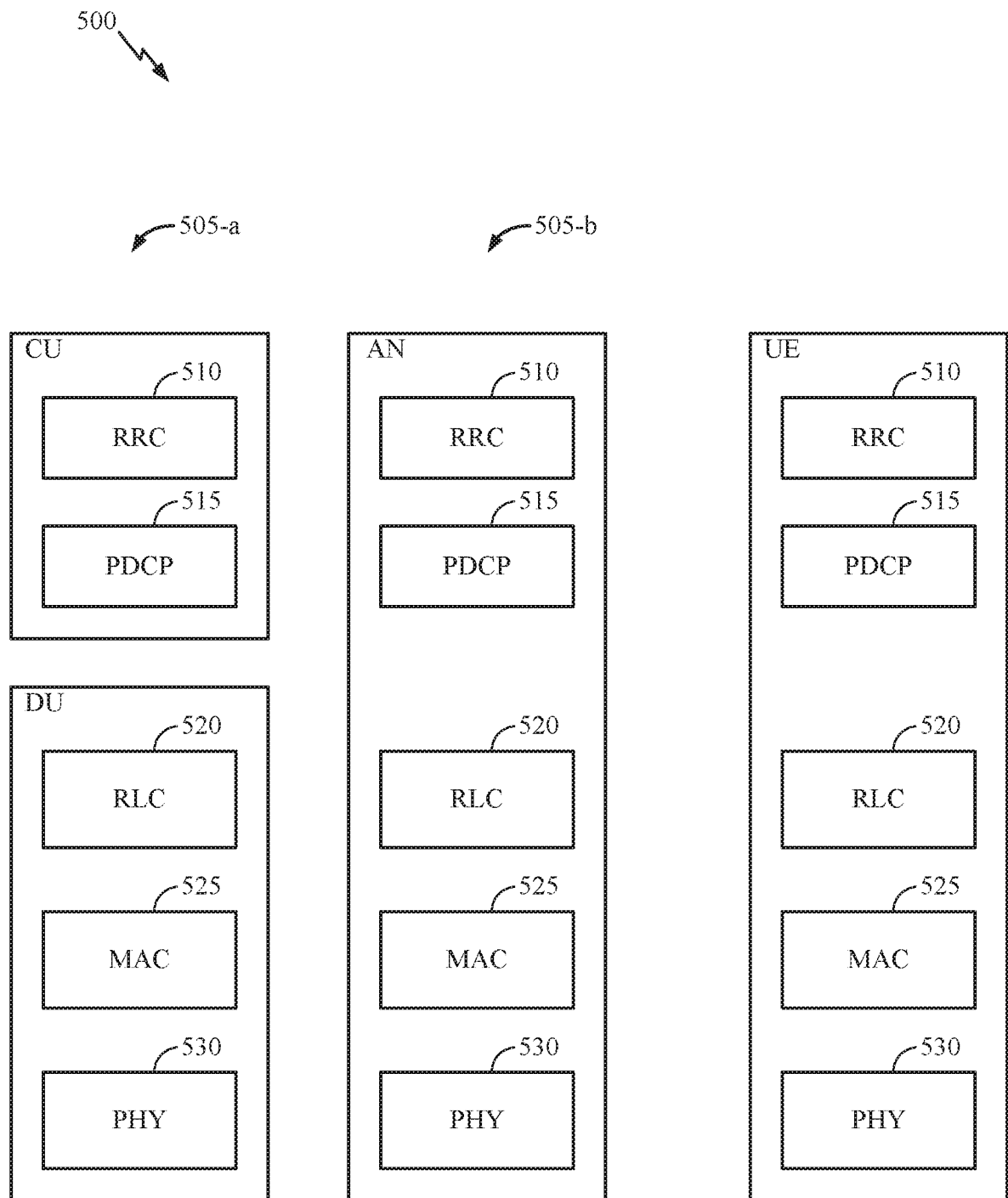


FIG. 5

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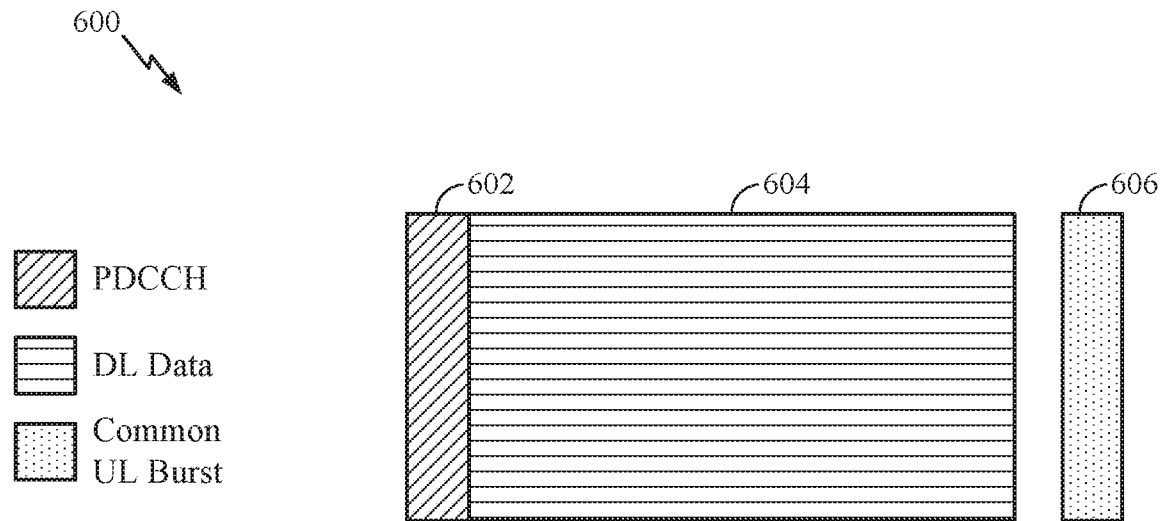


FIG. 6

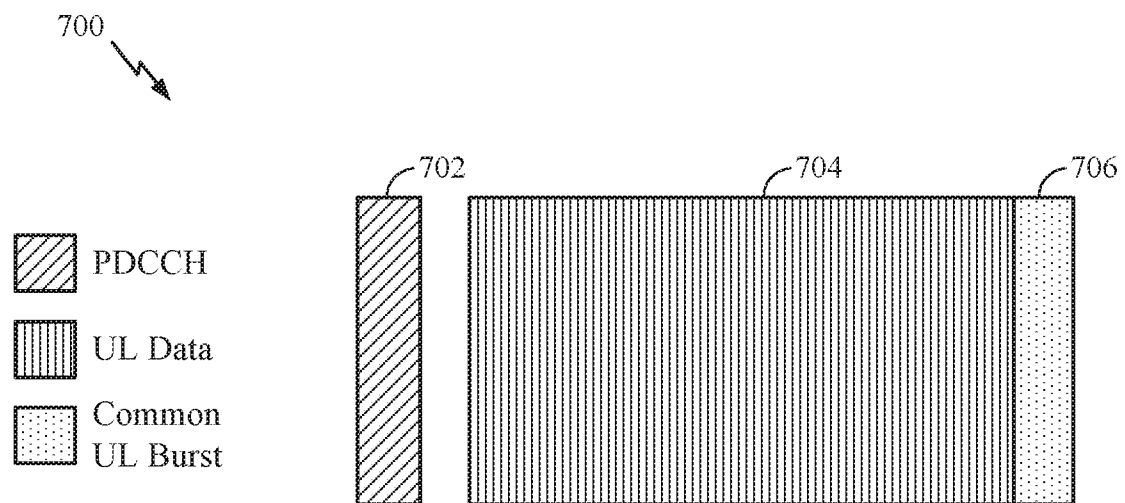
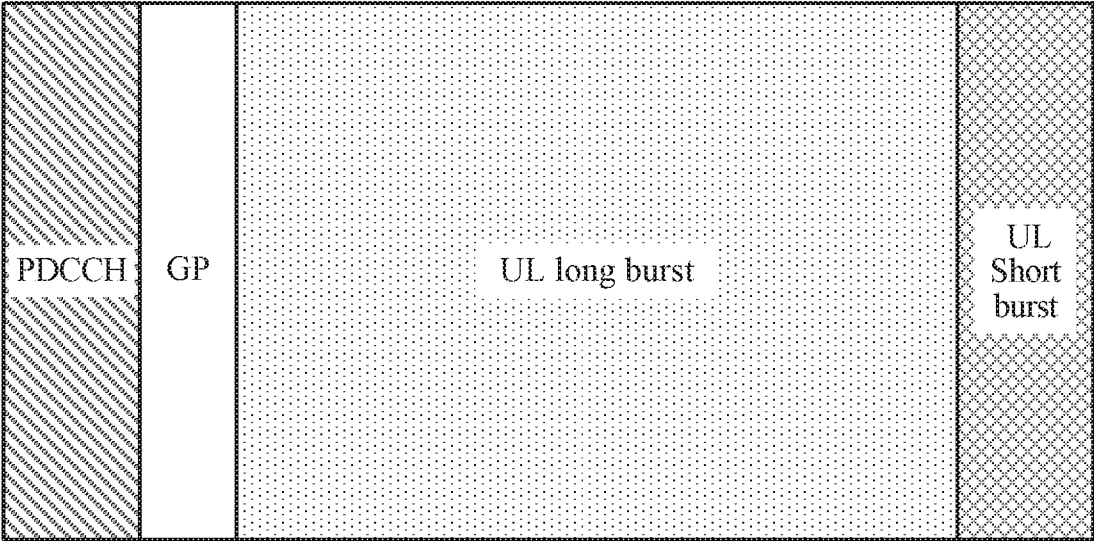
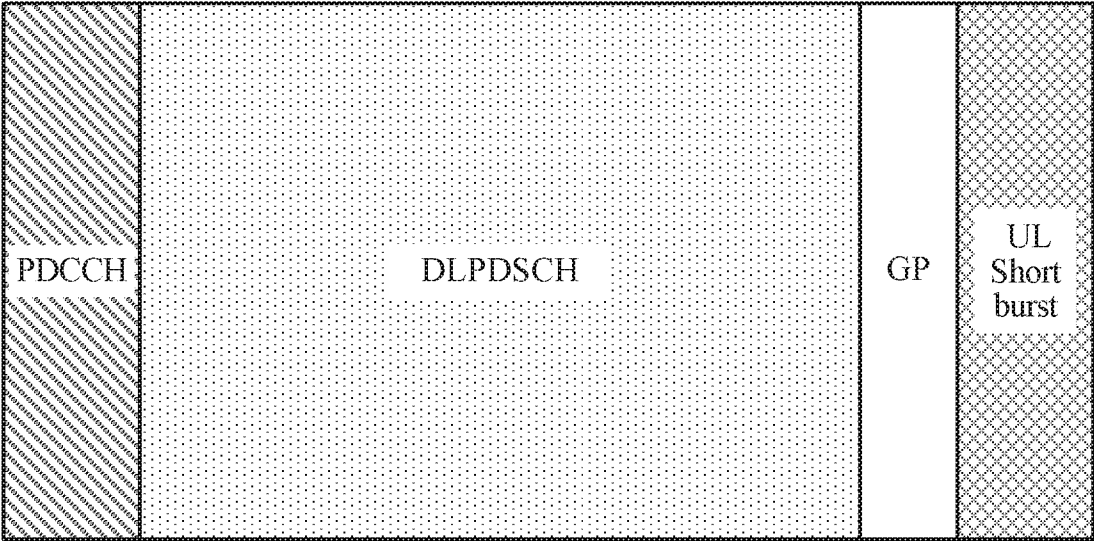


FIG. 7



UL centric slot

FIG. 8A



DL centric slot

FIG. 8B

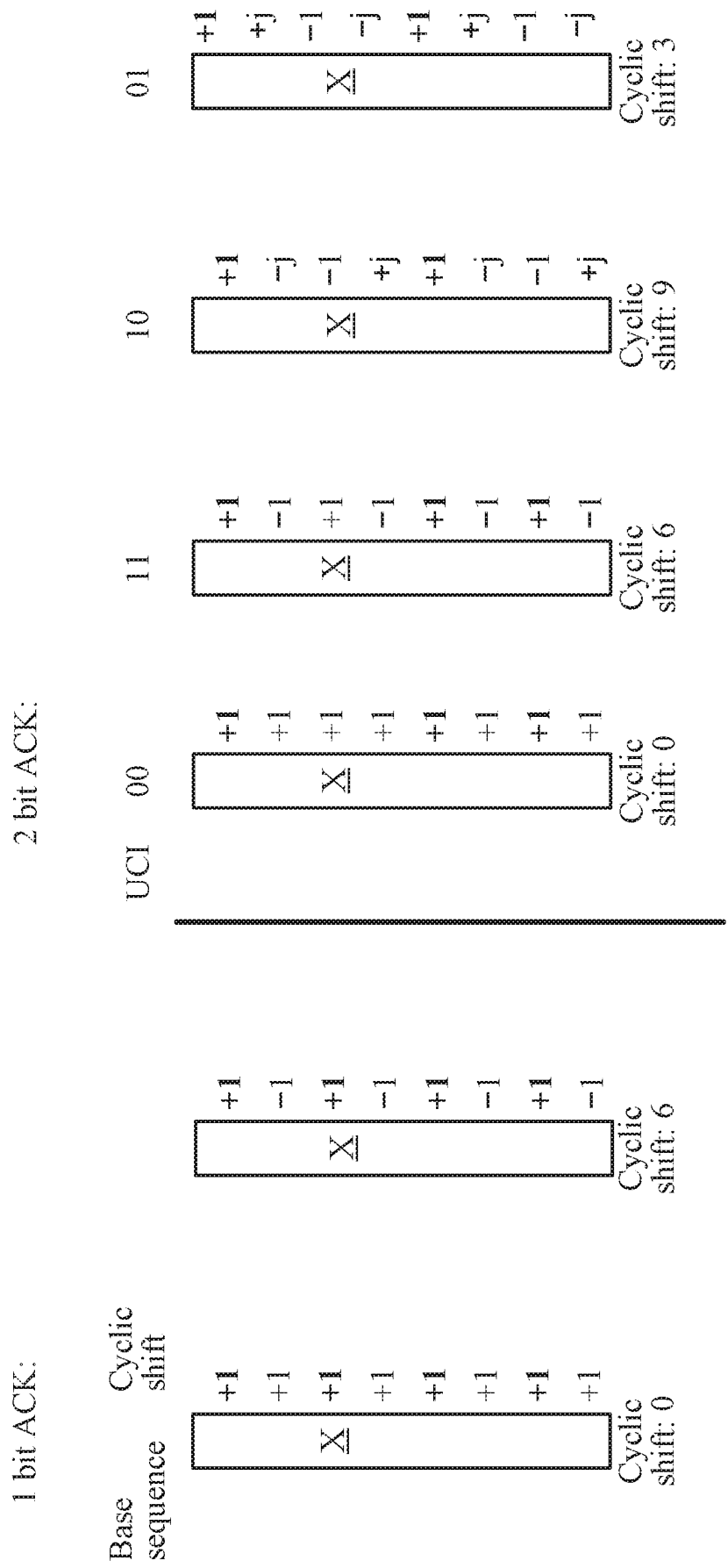


FIG. 9

Base
sequence

Cyclic
shift

$$\sum \left[\begin{array}{l} \exp(i * 2 * \pi * 0 * (\text{cyclic shift}) / (\text{sequence length})) \\ \exp(i * 2 * \pi * 1 * (\text{cyclic shift}) / (\text{sequence length})) \\ \vdots \\ \exp(i * 2 * \pi * (\text{sequence length} - 1) * (\text{cyclic shift}) / (\text{sequence length})) \end{array} \right]$$

FIG. 10

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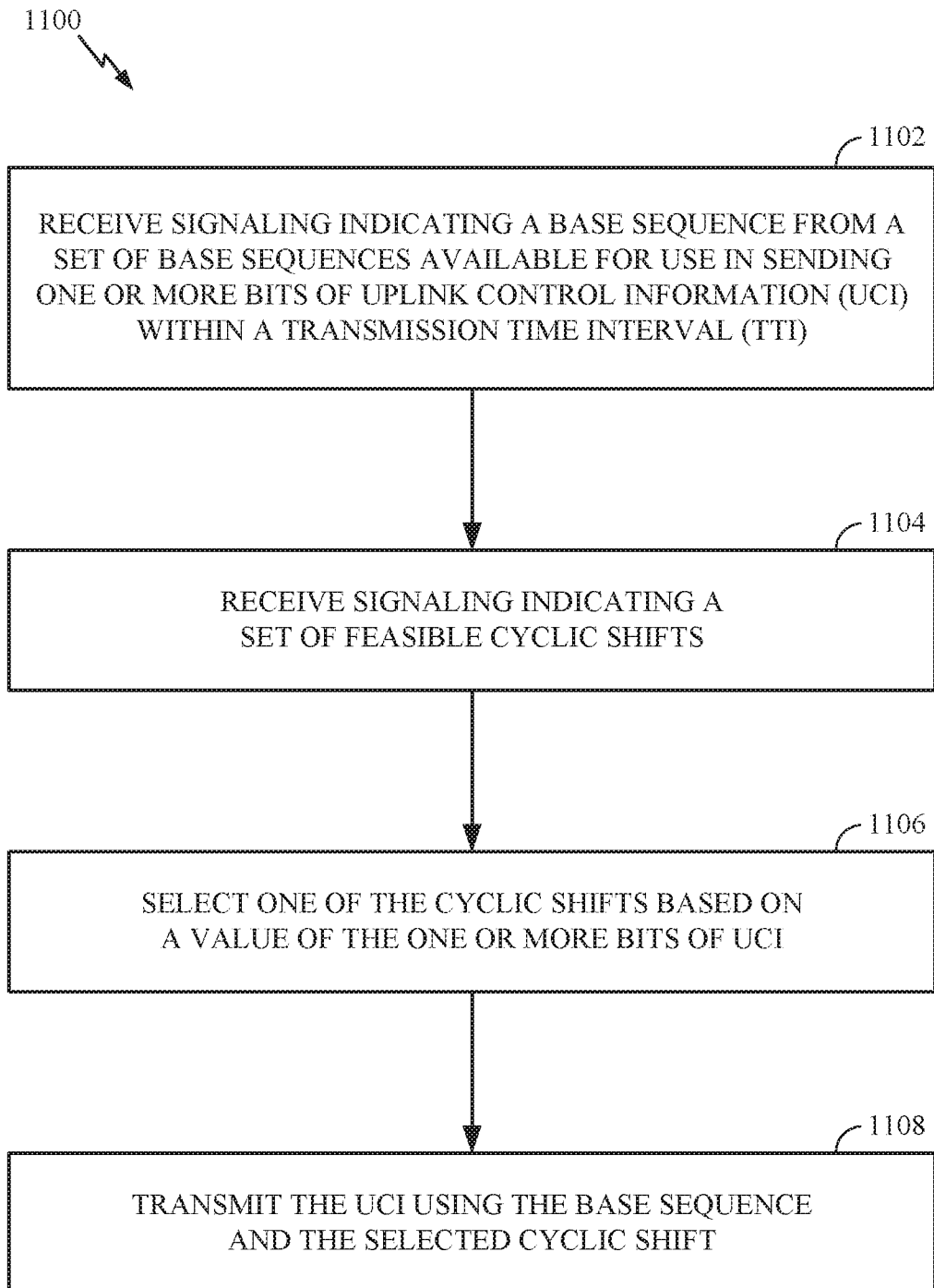


FIG. 11

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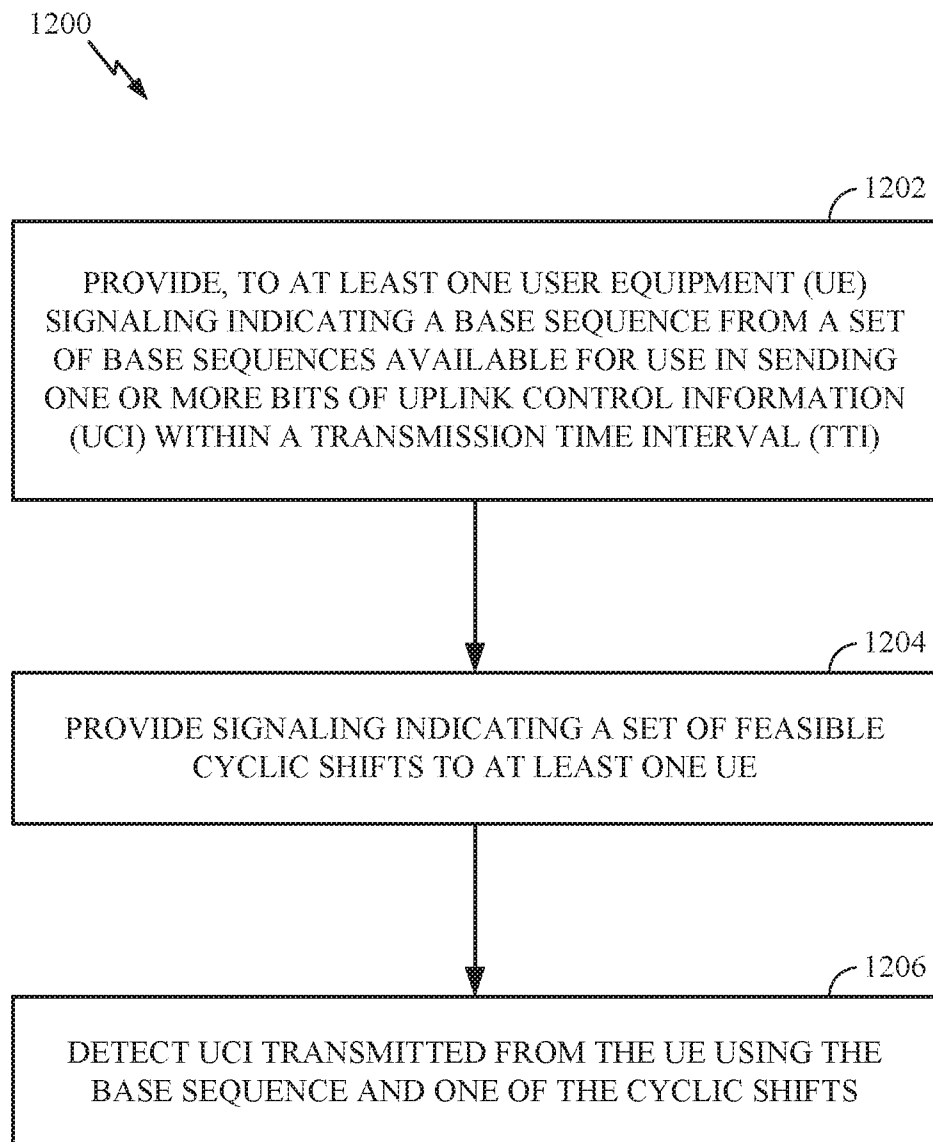


FIG. 12