

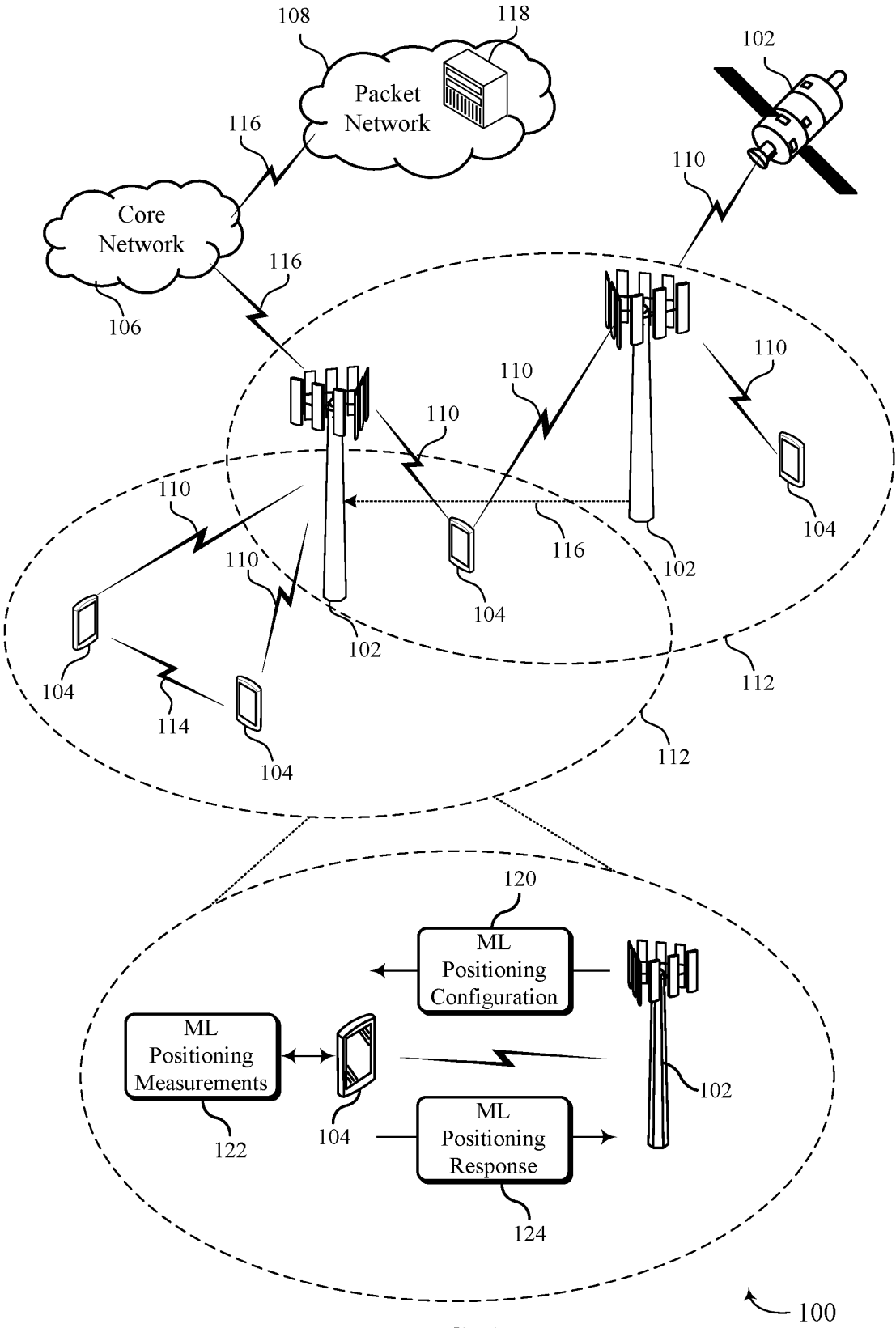


FIG. 1

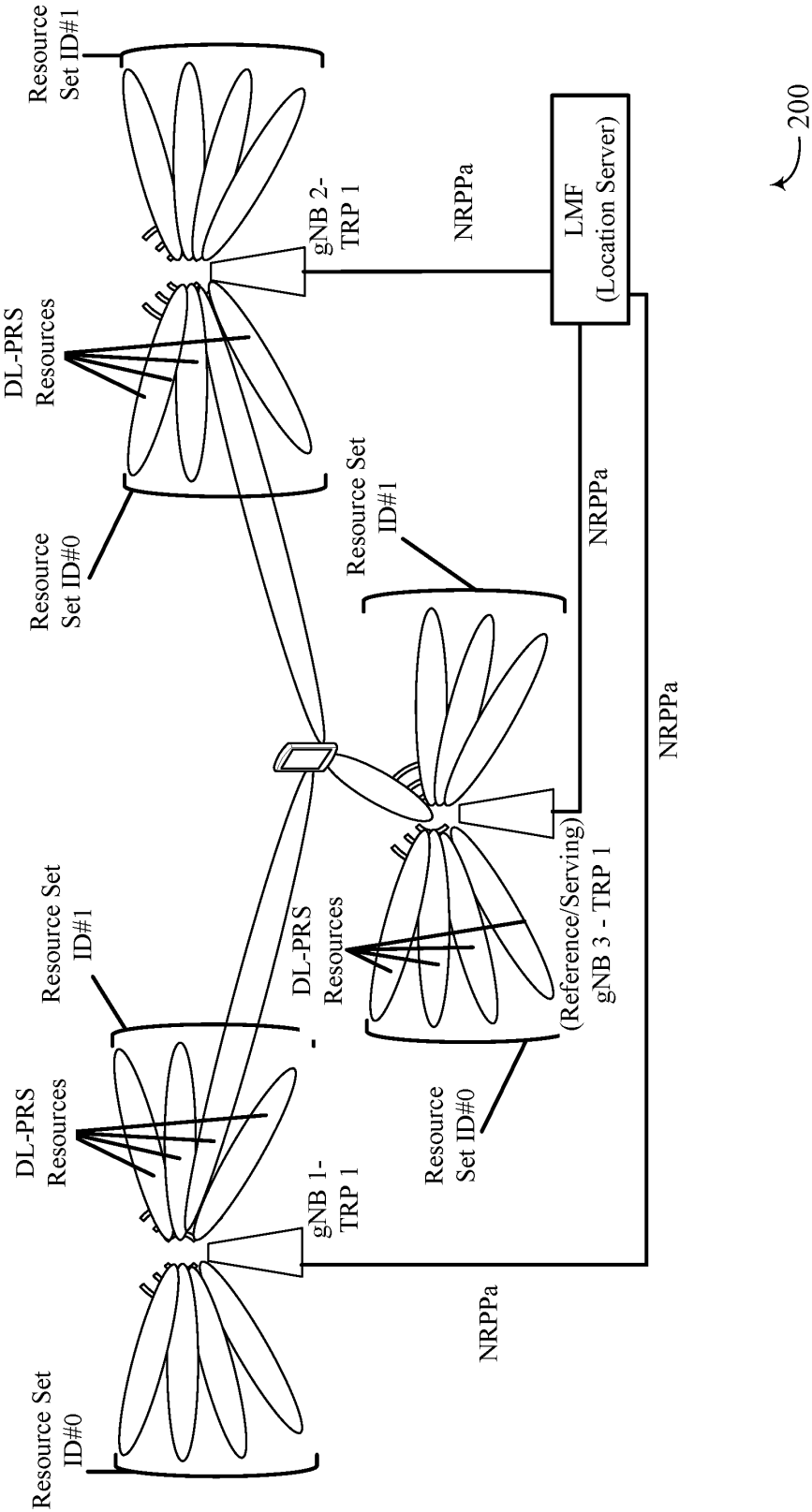


FIG. 2

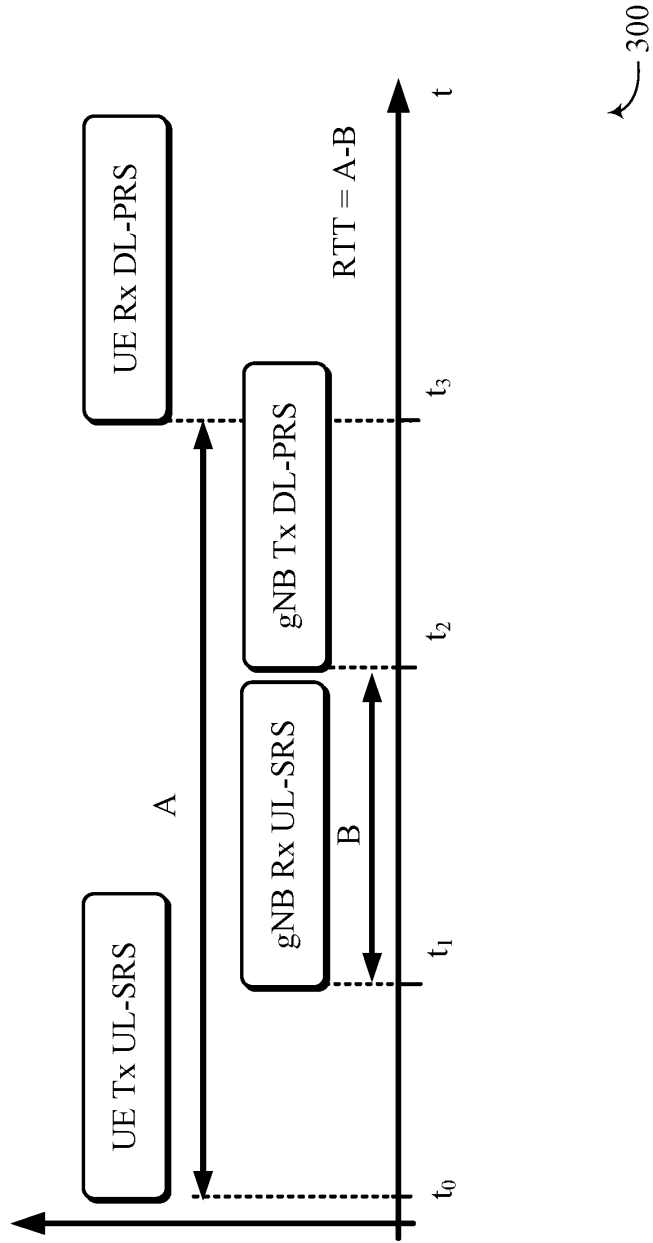


FIG. 3

```

-- ASN1START
RequestLocationInformation ::= SEQUENCE {
    criticalExtensions    CHOICE {
        c1                CHOICE {
            requestLocationInformation-r9    RequestLocationInformation-r9-IEs,
            spare3 NULL, spare2 NULL, spare1 NULL
        },
        criticalExtensionsFuture    SEQUENCE {}
    }
}

RequestLocationInformation-r9-IEs ::= SEQUENCE {
    commonIEsRequestLocationInformation

    a-gnss-RequestLocationInformation
    otdoa-RequestLocationInformation
    ecid-RequestLocationInformation
    epdu-RequestLocationInformation
    ...,
    ||
    CommonIEsRequestLocationInformation
    A-GNSS-RequestLocationInformation
    OTDOA-RequestLocationInformation
    ECID-RequestLocationInformation
    EPDU-Sequence
    OPTIONAL, -- Need ON
    OPTIONAL, -- Need ON
    OPTIONAL, -- Need ON
    OPTIONAL, -- Need ON
    OPTIONAL, -- Need ON
}
-- ASN1END

```

$$\left[\begin{array}{c} \cdot \\ \cdot \\ \cdot \end{array} \right]$$

FIG. 4a

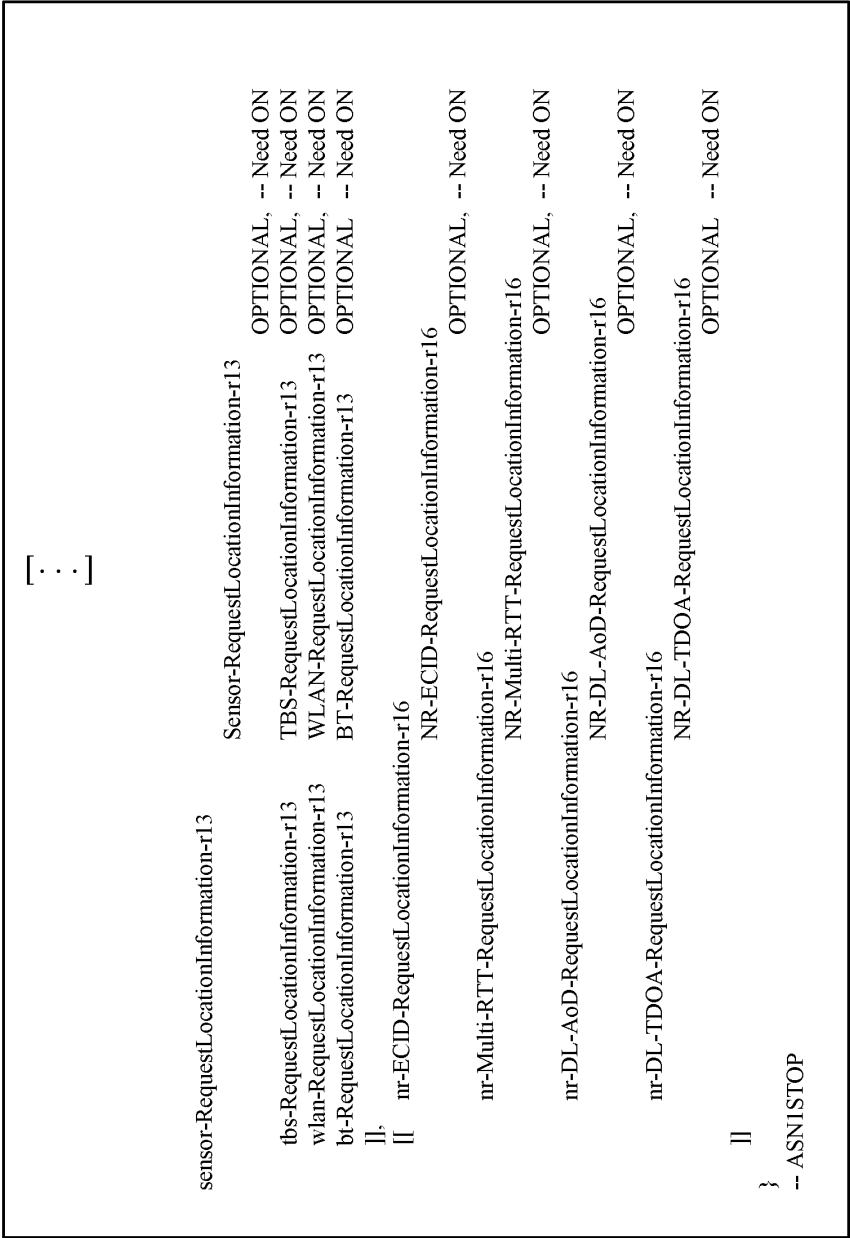
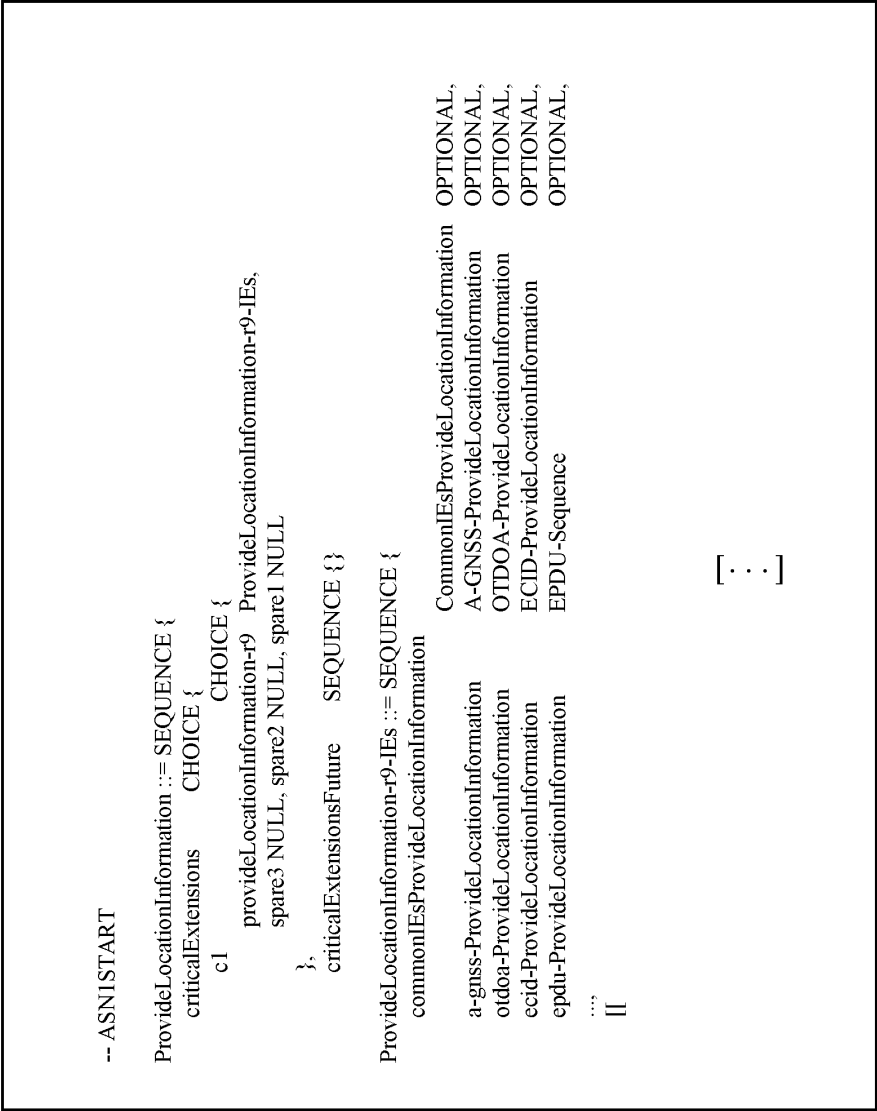


FIG. 4b

FIG. 4b

400



500

FIG. 5a

```

[
.
.
.
]

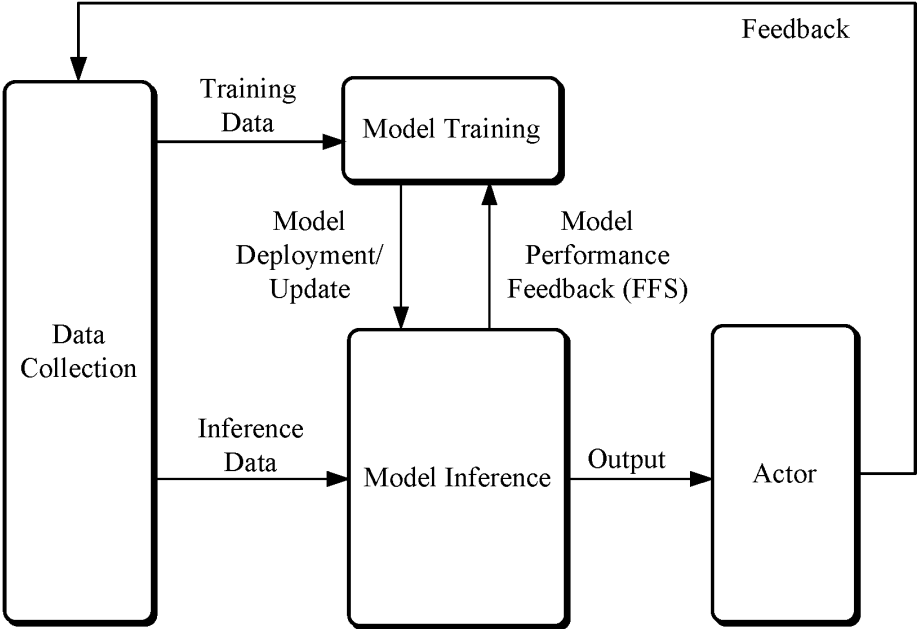
sensor-ProvideLocationInformation-r13
    Sensor-ProvideLocationInformation-r13
        OPTIONAL,
        OPTIONAL,
        OPTIONAL,
        OPTIONAL
    tbs-ProvideLocationInformation-r13  TBS-ProvideLocationInformation-r13
    wlan-ProvideLocationInformation-r13  WLAN-ProvideLocationInformation-r13
    bt-ProvideLocationInformation-r13  BT-ProvideLocationInformation-r13
    II,
    II  nr-ECID-ProvideLocationInformation-r16
        NR-ECID-ProvideLocationInformation-r16  OPTIONAL,
        nr-Multi-RTT-ProvideLocationInformation-r16
            NR-Multi-RTT-ProvideLocationInformation-r16  OPTIONAL,
        nr-DL-AoD-ProvideLocationInformation-r16
            NR-DL-AoD-ProvideLocationInformation-r16  OPTIONAL,
        nr-DL-TDOA-ProvideLocationInformation-r16
            NR-DL-TDOA-ProvideLocationInformation-r16  OPTIONAL
    II
}

-- ASN1STOP

```

FIG. 5b

500



600

FIG. 6

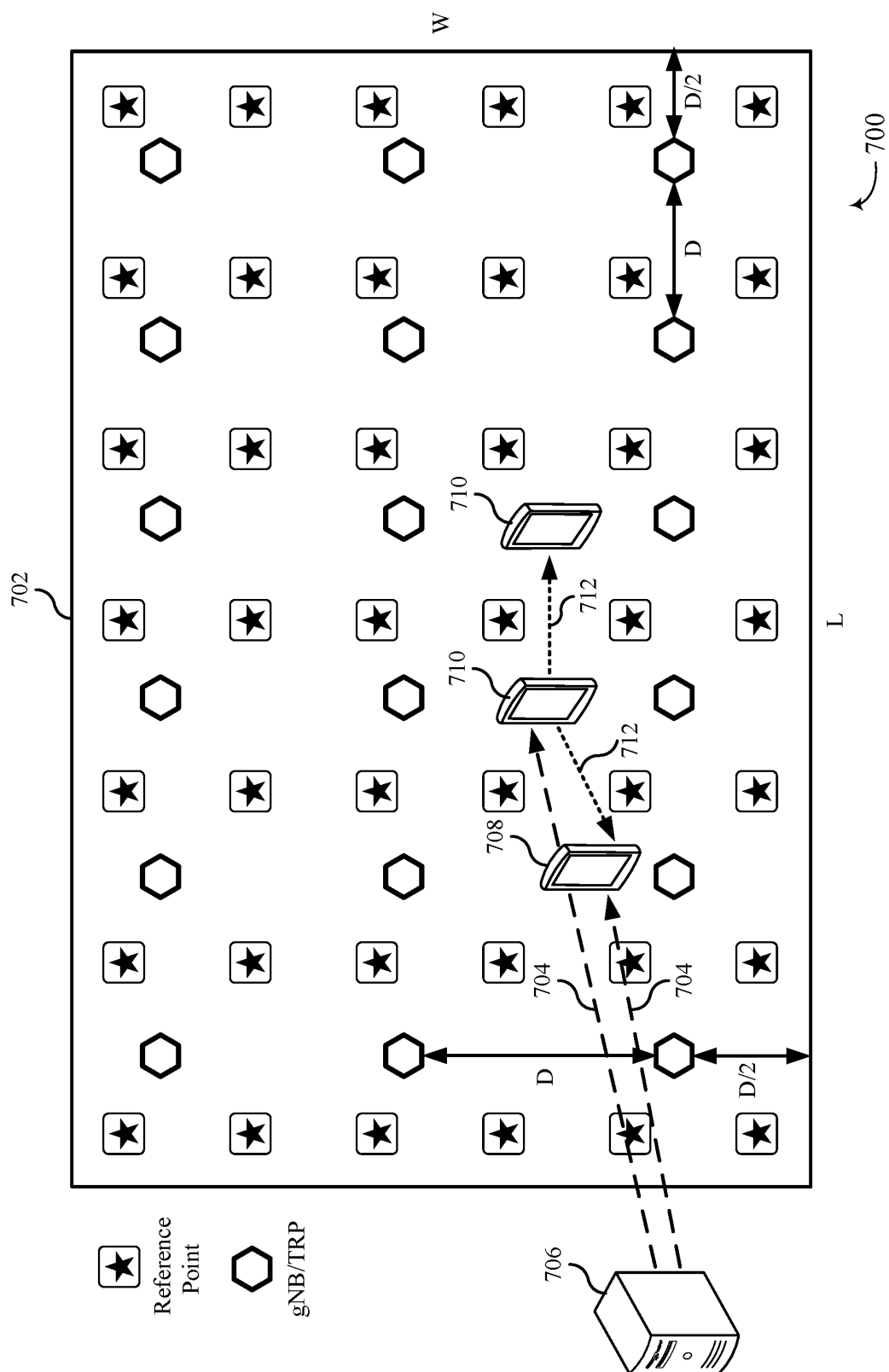
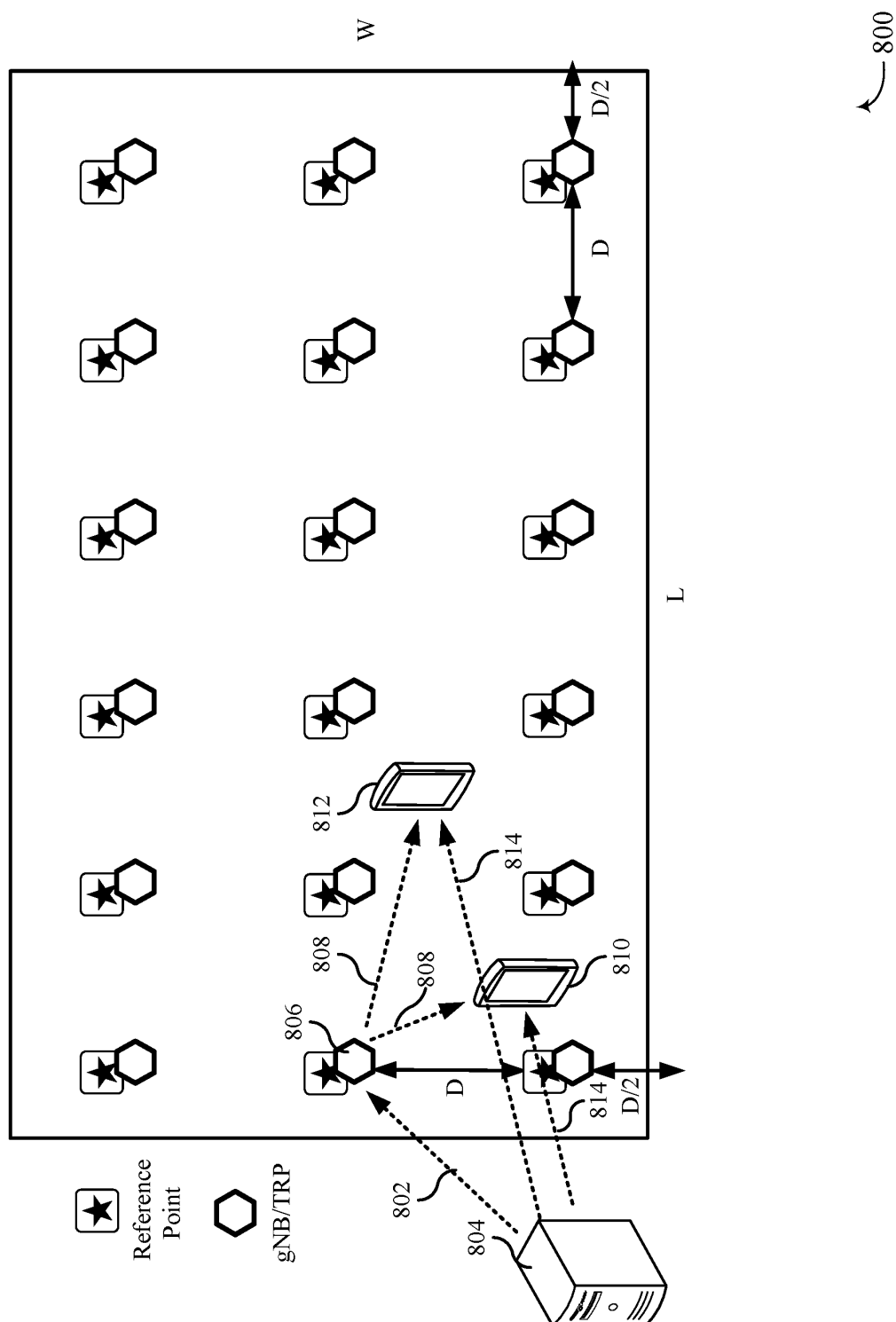


FIG. 7



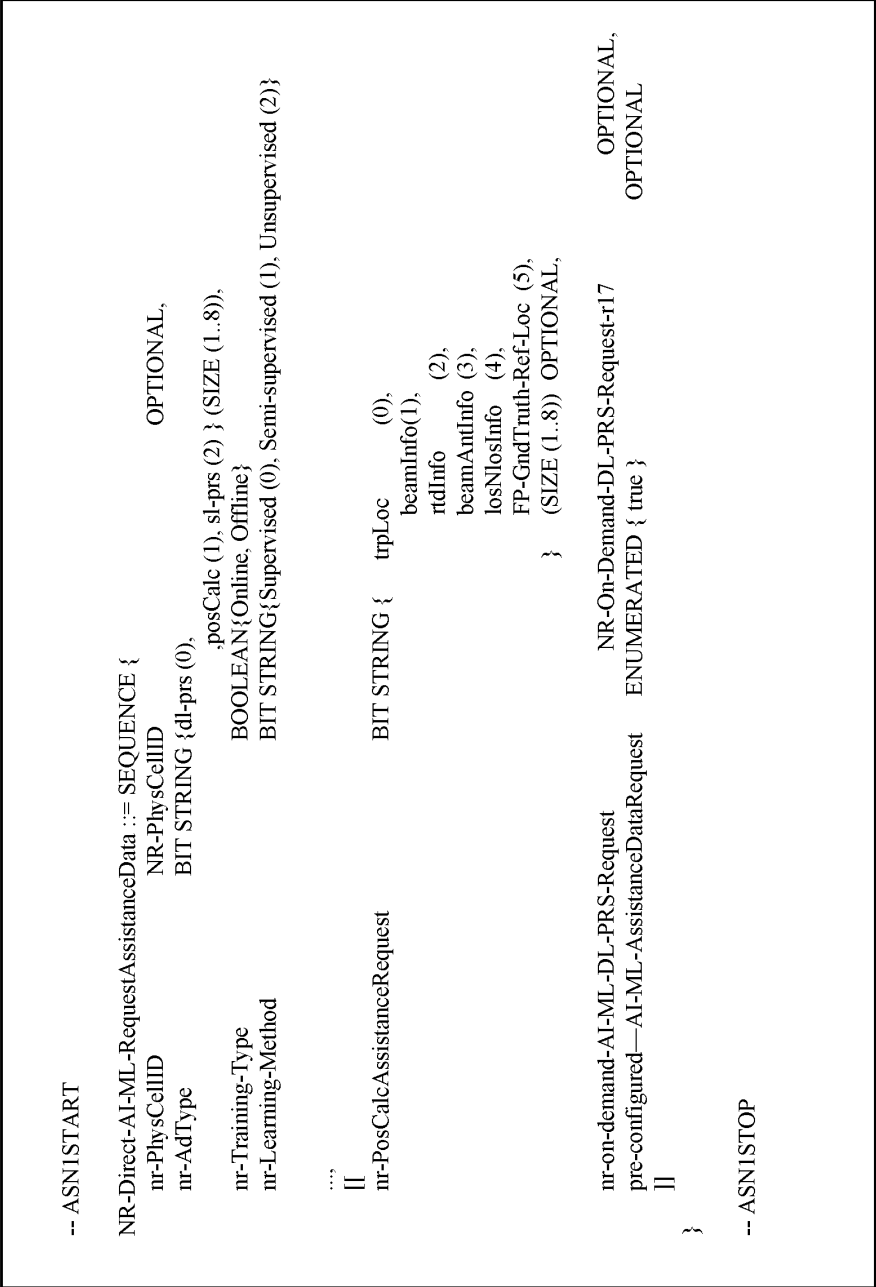


FIG. 9

900

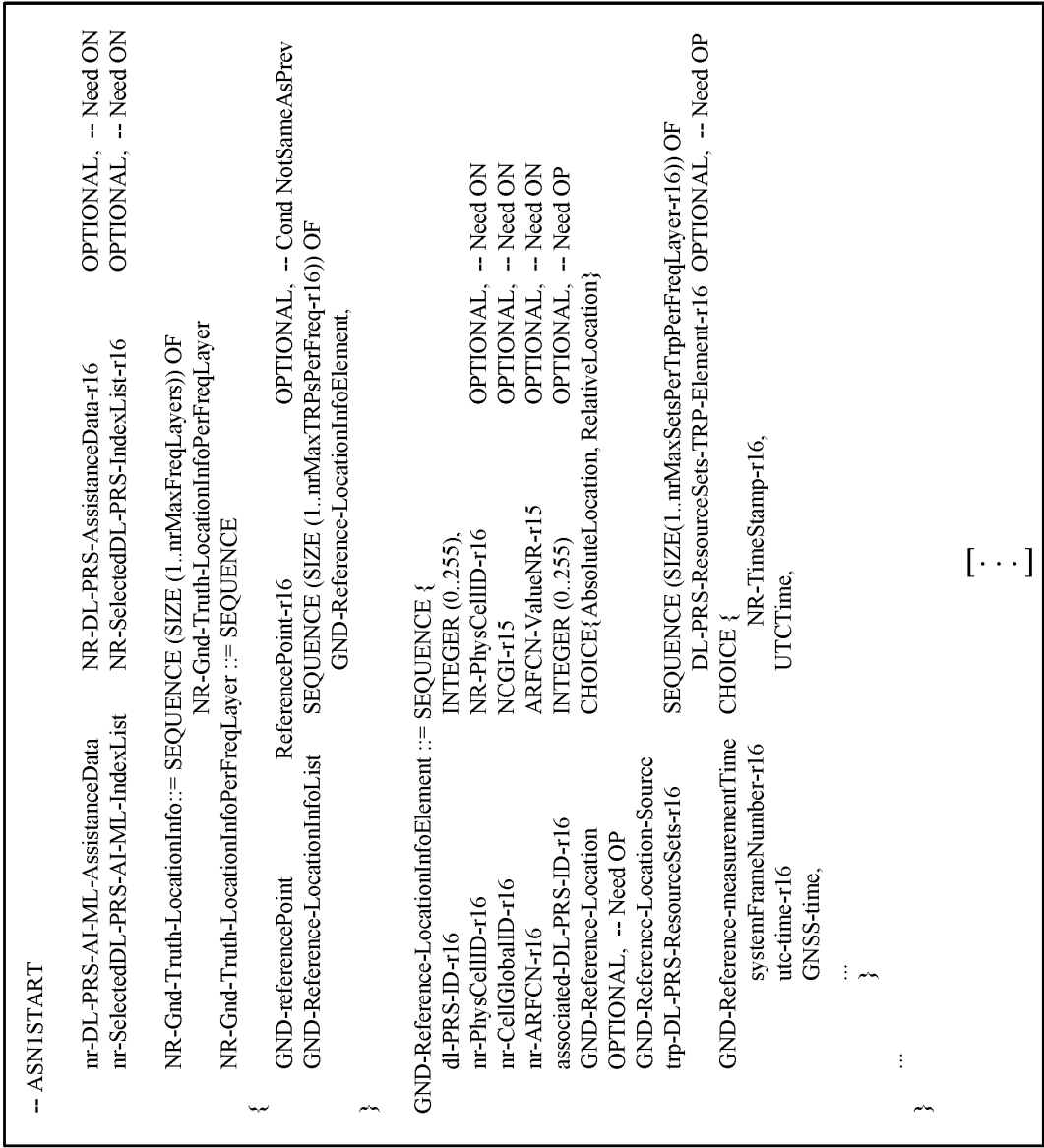


FIG. 10a

1000

```

[
.
.
.
]

nr-AI-ML-Error
....
||
nr-On-Demand-DL-PRS-AI-ML-Configurations  NR-On-Demand-DL-PRS-AI-ML-Configurations
OPTIONAL, -- Need ON

nr-On-Demand-DL-PRS-AI-ML-Configurations-Selected-IndexList
NR-On-Demand-DL-PRS-AI-ML-Configurations-Selected-IndexList
OPTIONAL, -- Need ON
OPTIONAL -- Need ON

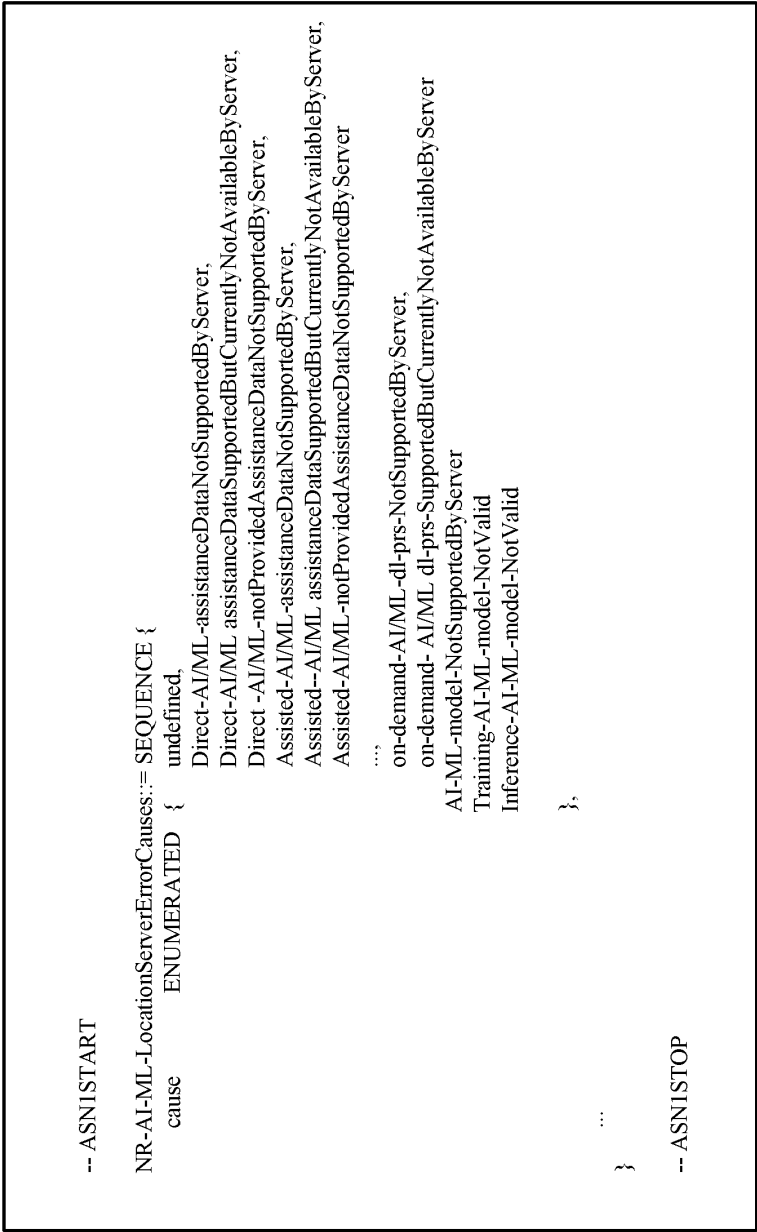
AI-ML-assistanceDataValidityArea  AI-ML-AreaID-CellList
||
}

}

-- ASN1STOP

```

FIG. 10b



1100

FIG. 11

FIG. 11

```
-- ASN1START
NR-AI-ML-TargetDeviceErrorCauses ::= SEQUENCE {
  cause
    ENUMERATED {undefined,
      Direct-AI-ML-assistance-data-missing,
      Assisted-AI-ML-assistance-data-missing,
      unableToMeasureAnyTRPAtGndRefLocation,
      attemptedButUnableToMeasureSomeNeighbourTRPs,
      thereWereNotEnoughSignalsReceivedForUeBased-AI-ML-Pos,
      locationCalculationAssistanceDataMissing,
      Training-AI-ML-model-NotValid,
      Inference-AI-ML-model-NotValid
      ...
    },
  ...
}
-- ASN1STOP
```

1200

FIG. 12

FIG. 12

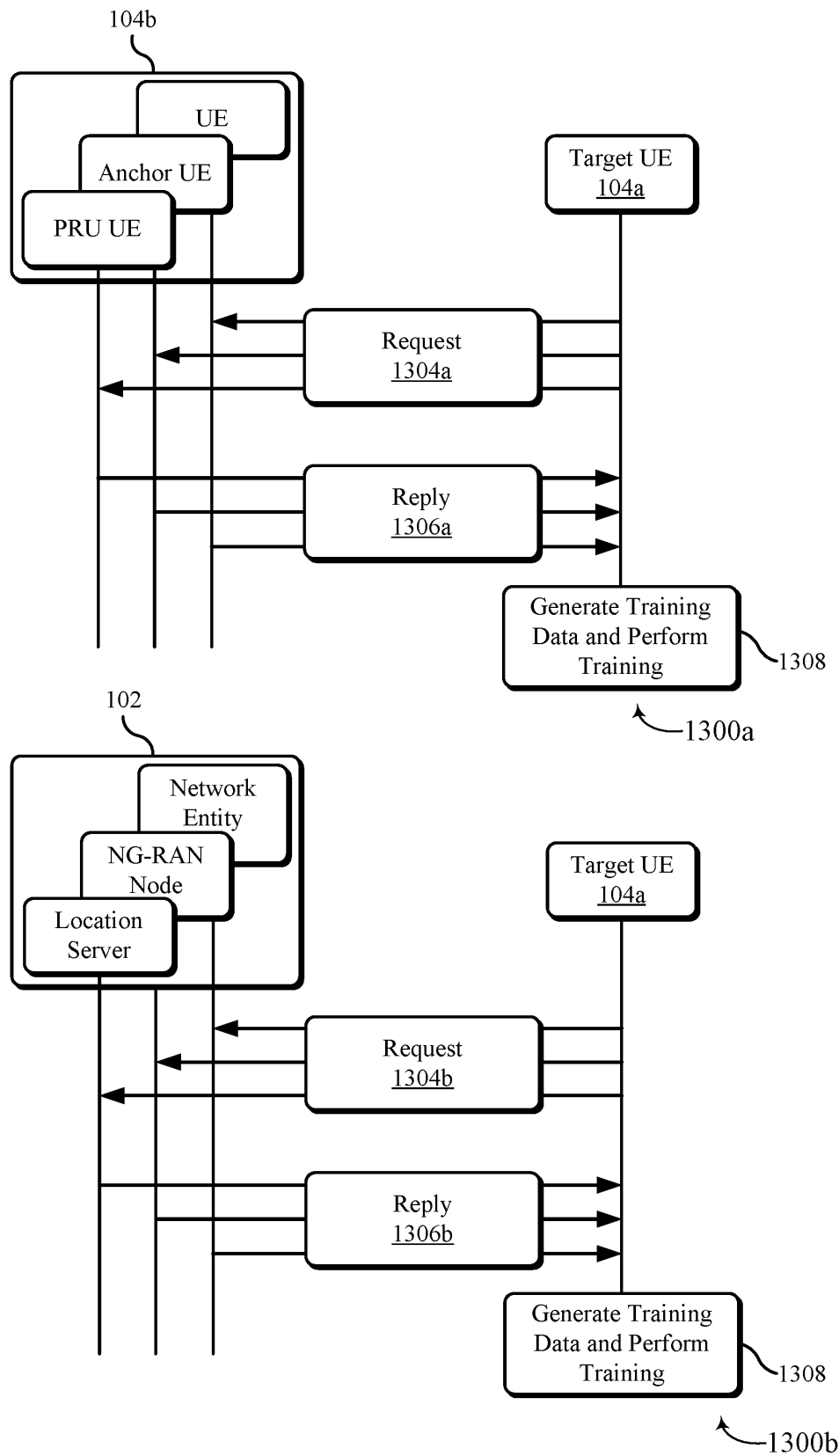


FIG. 13

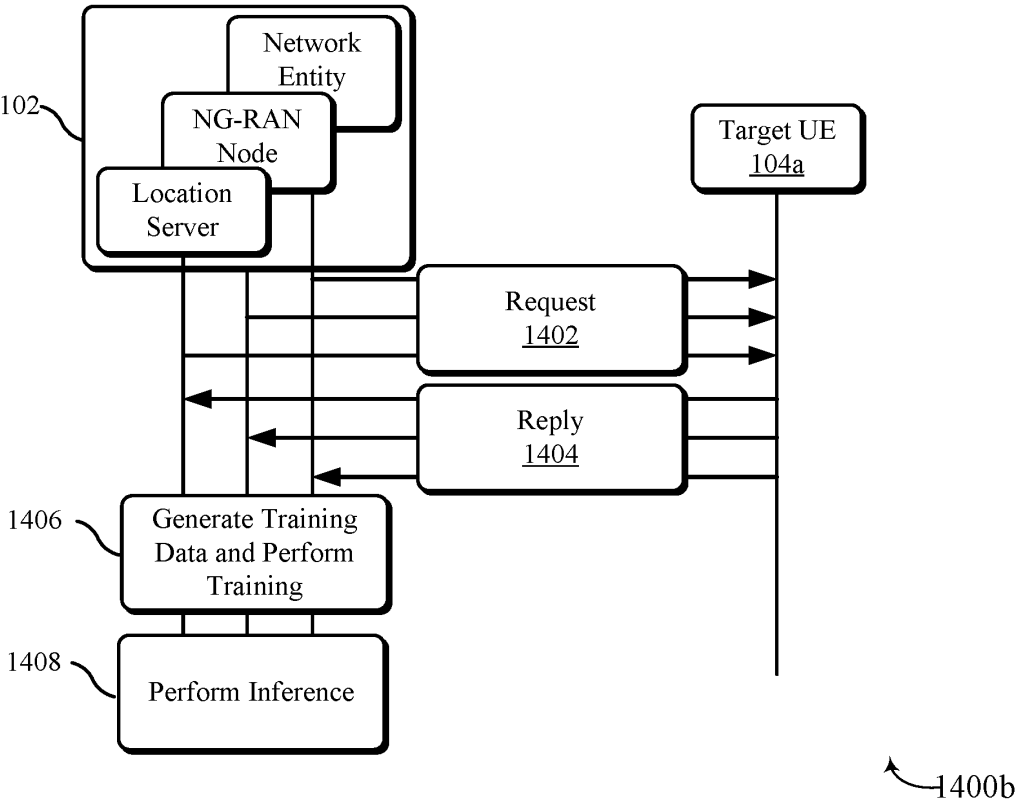
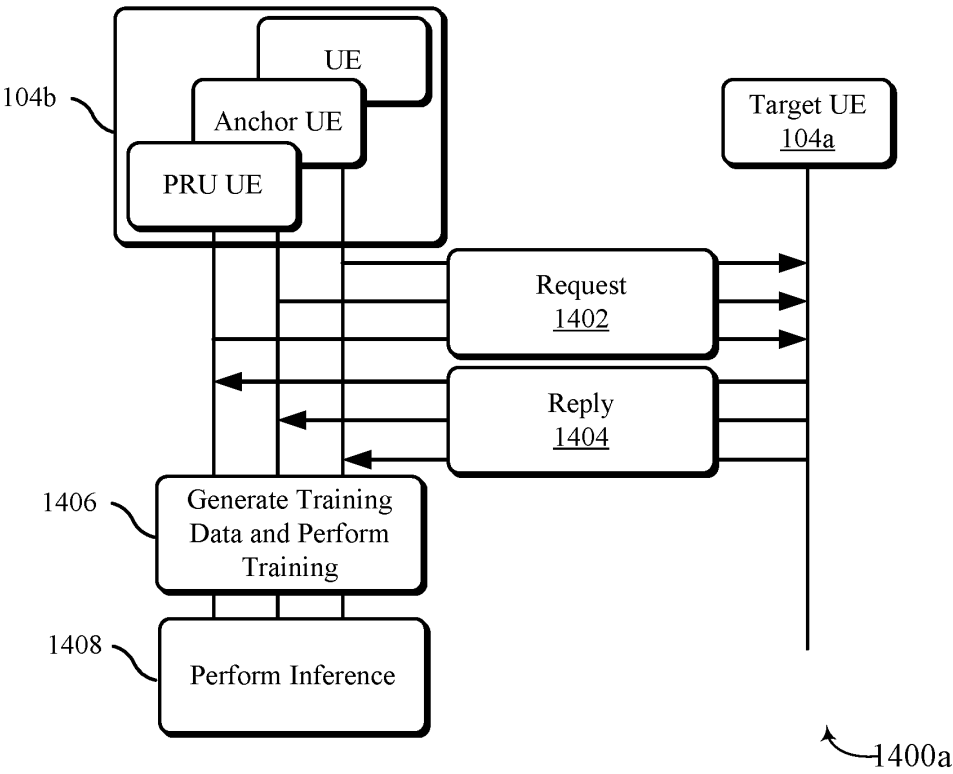


FIG. 14a

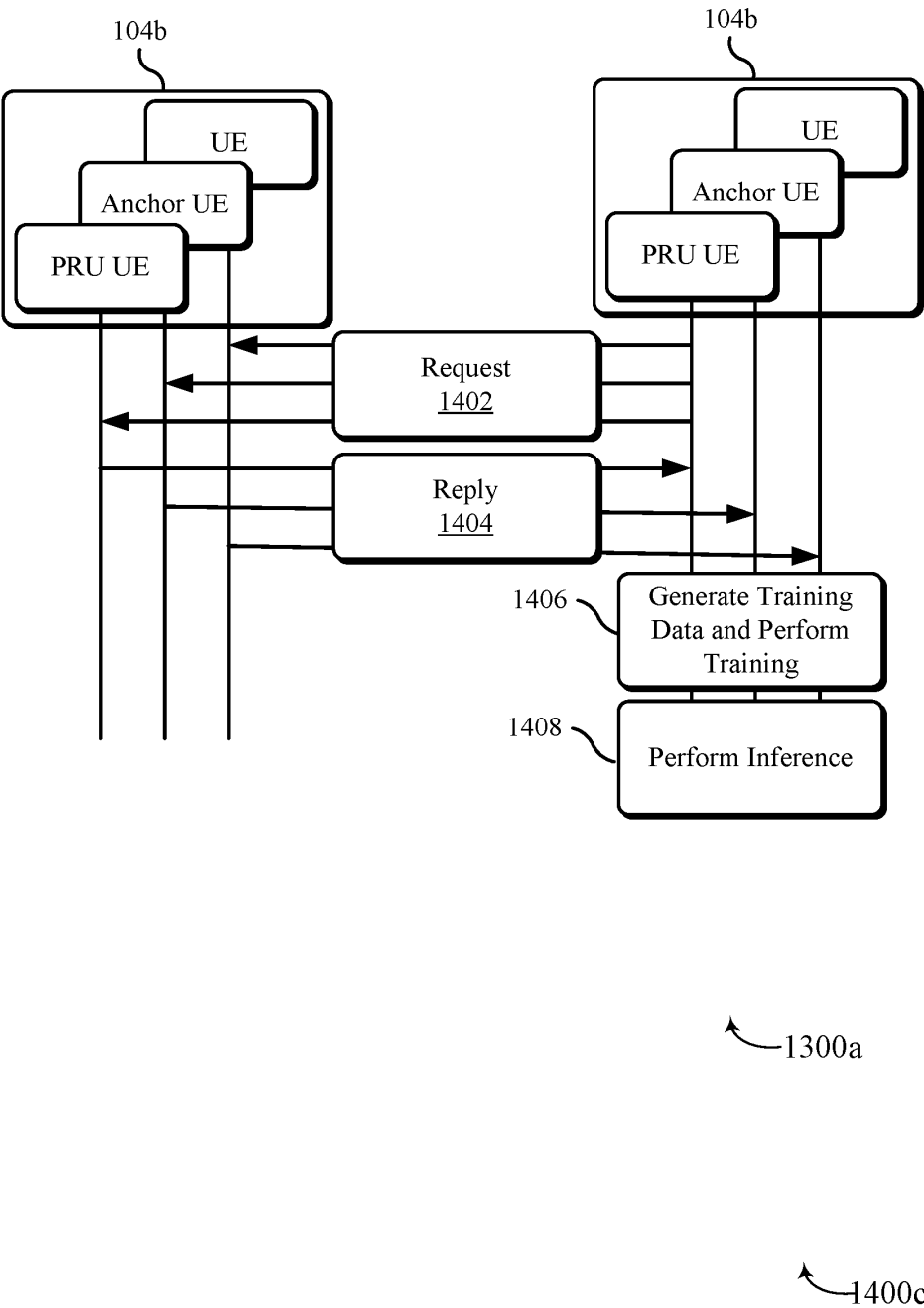


FIG. 14b

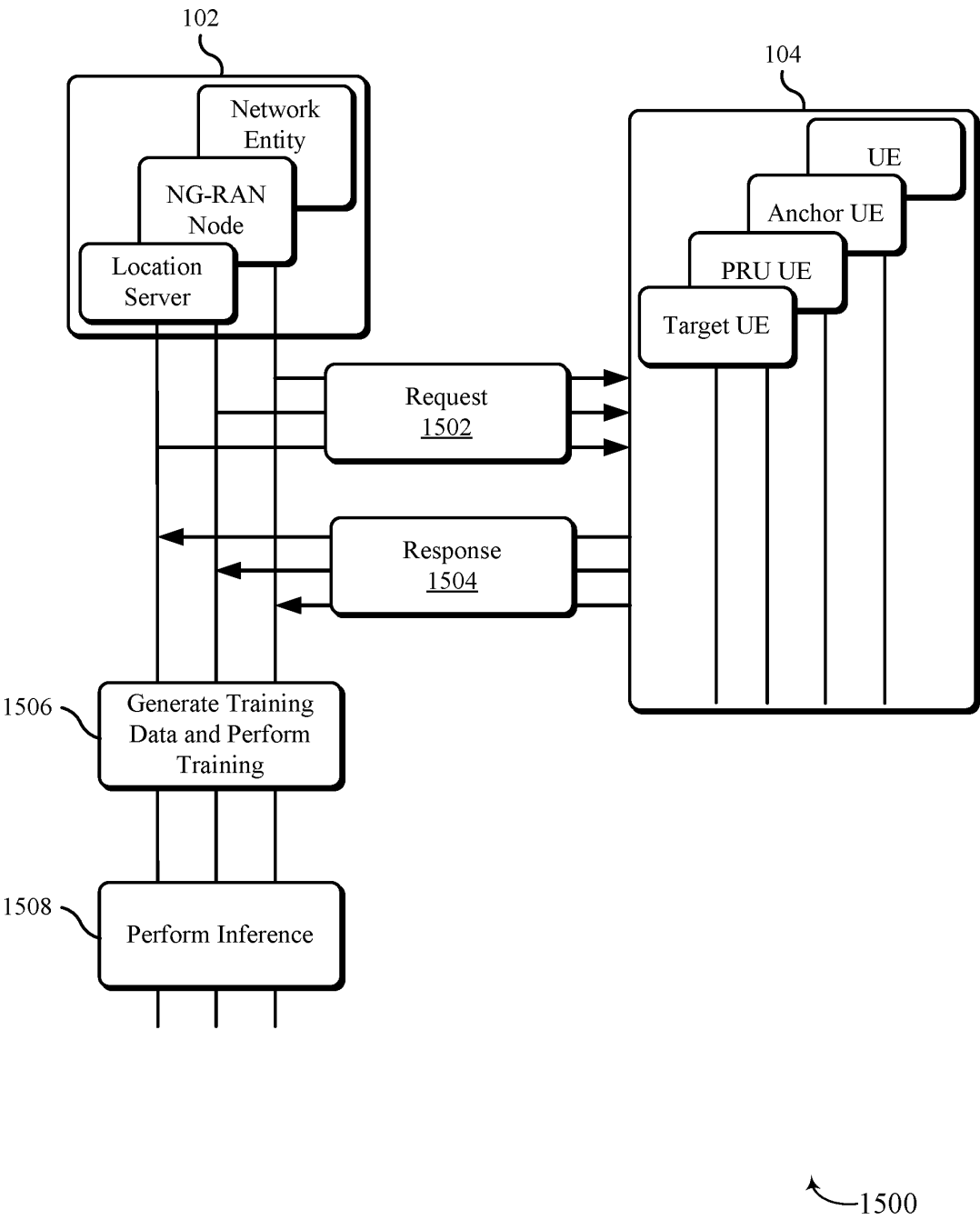


FIG. 15

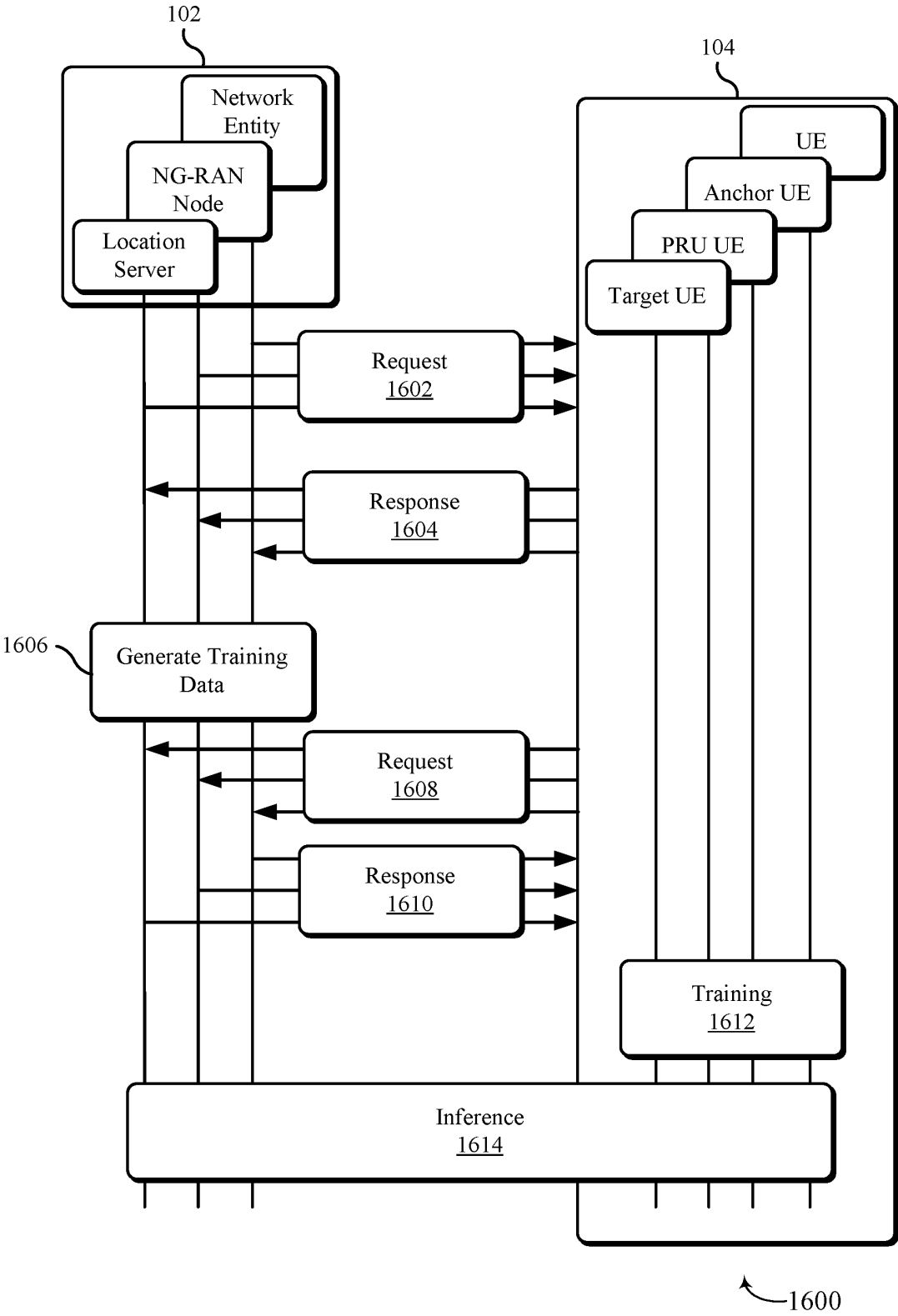


FIG. 16

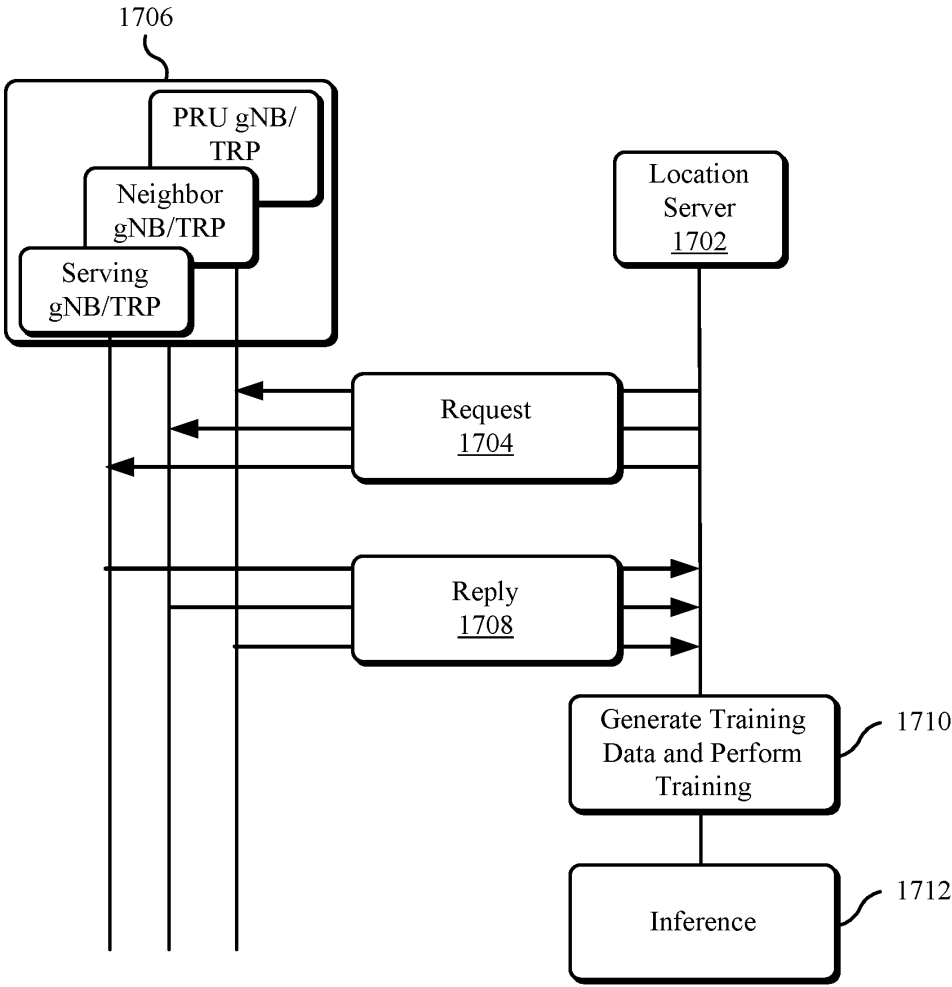


FIG. 17

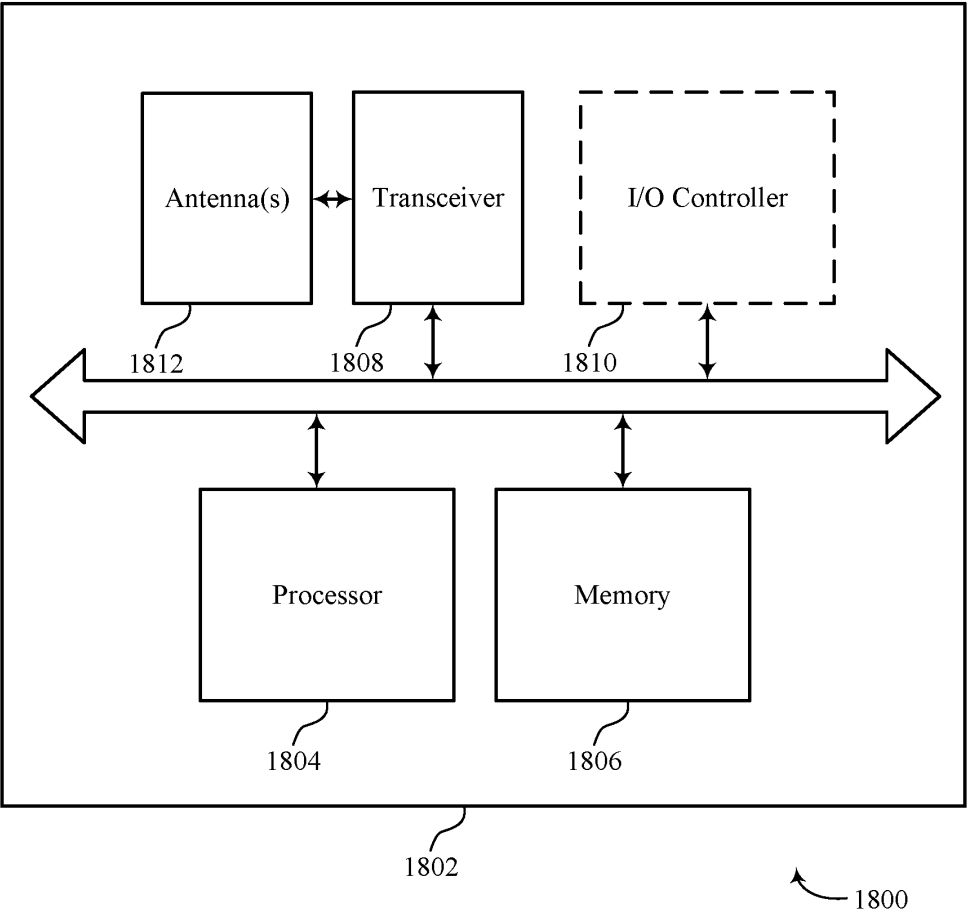


FIG. 18

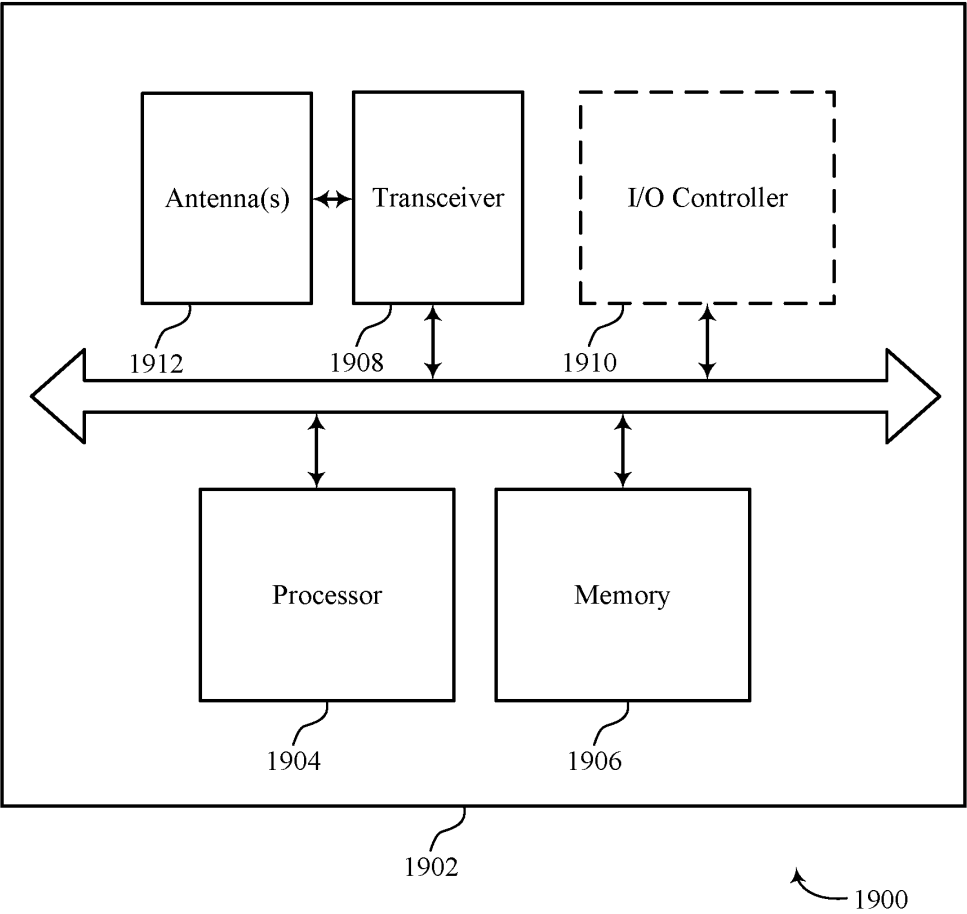


FIG. 19

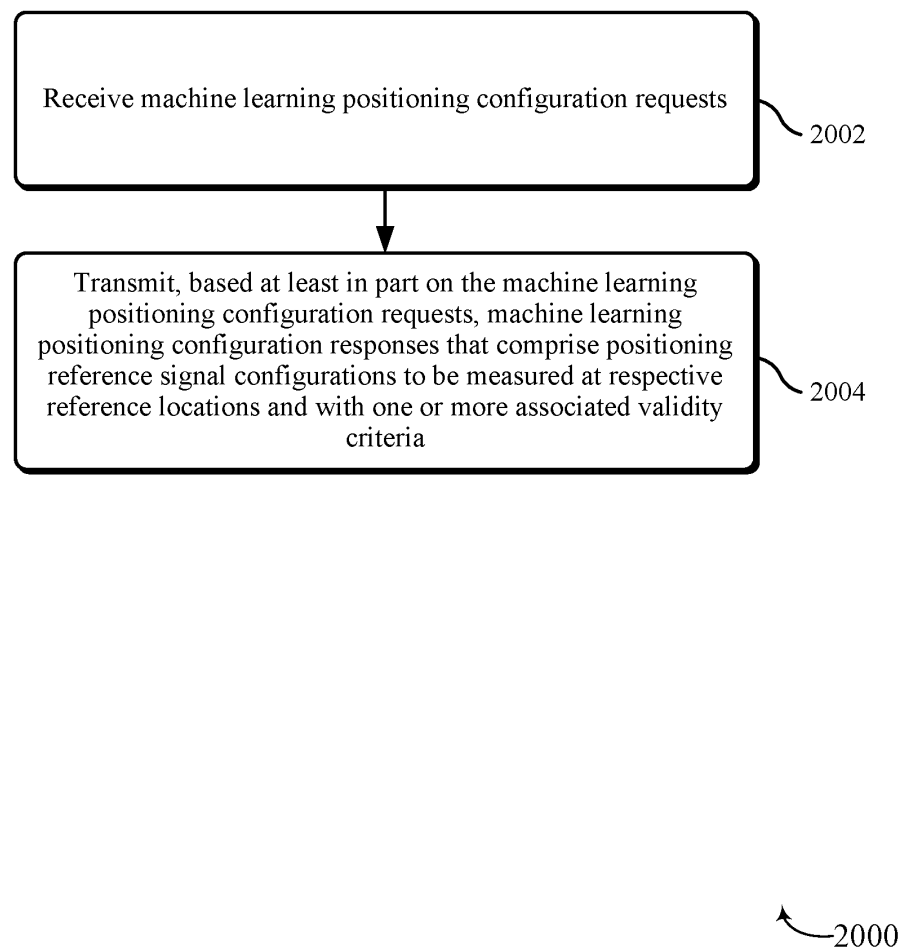


FIG. 20

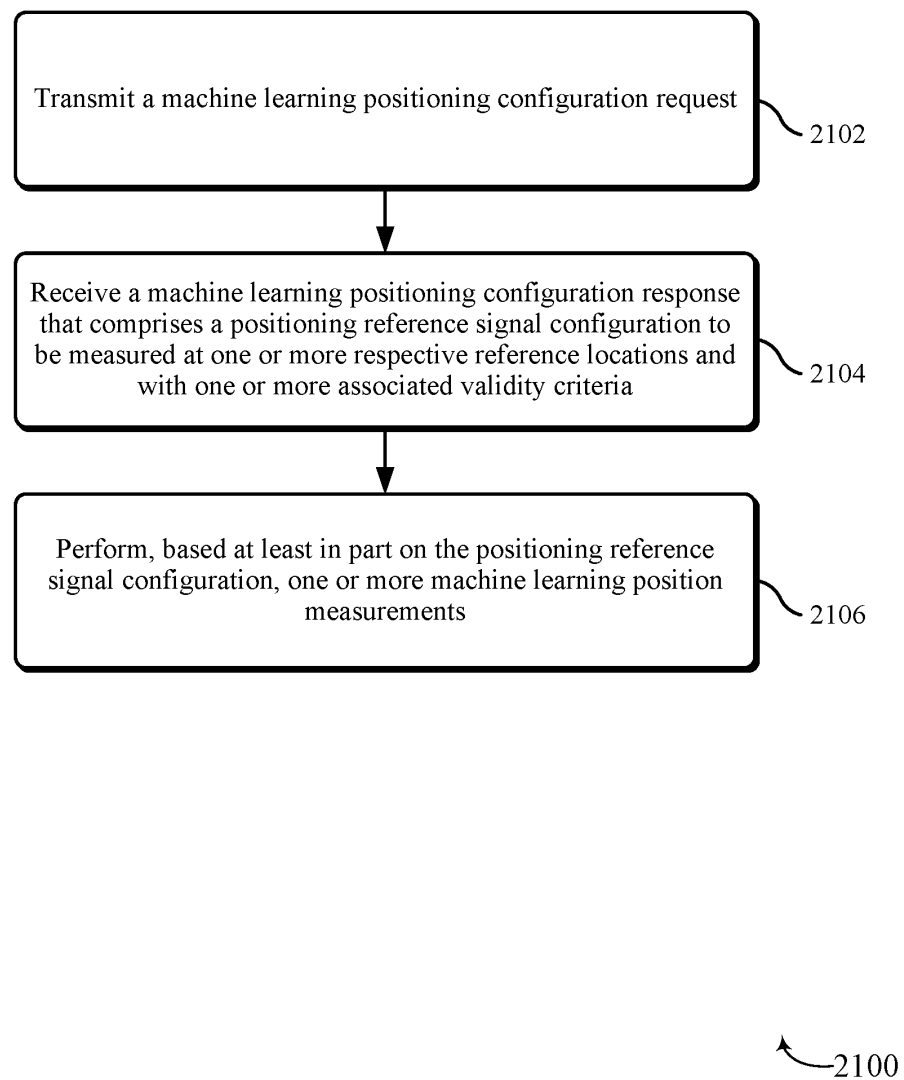


FIG. 21

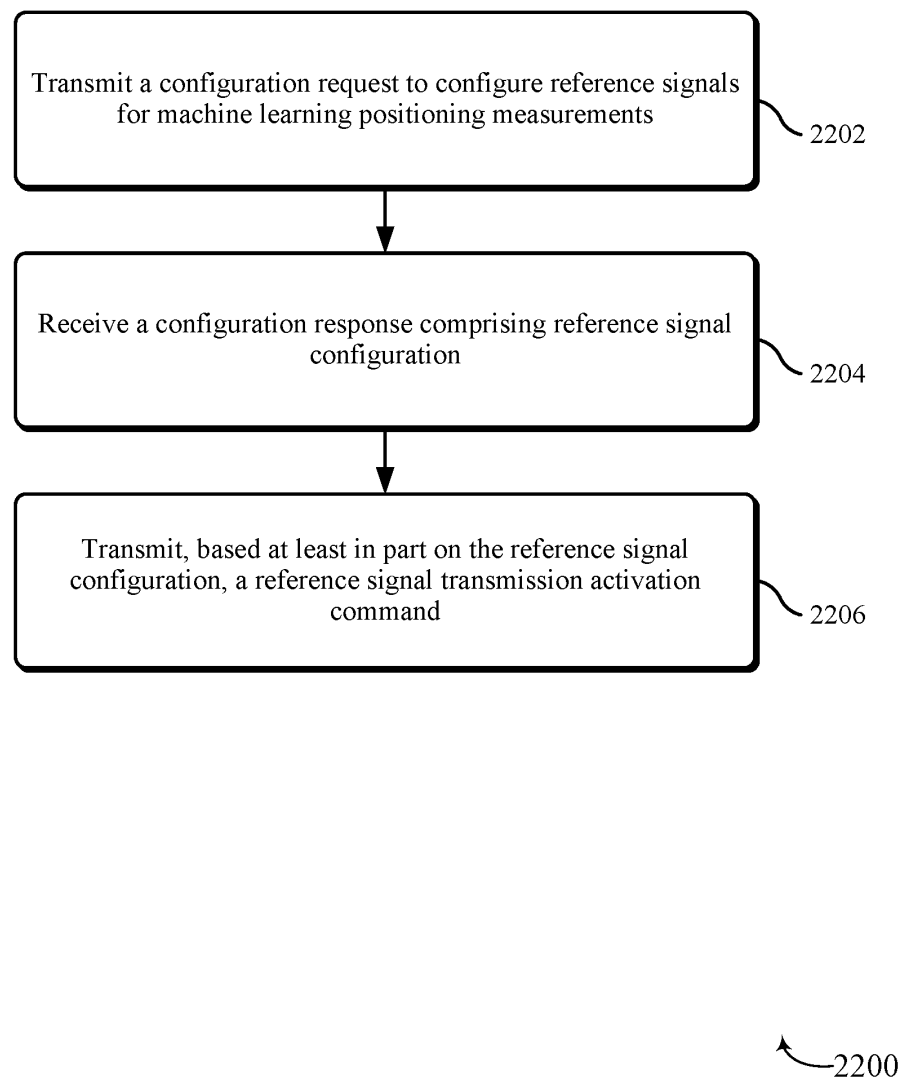


FIG. 22

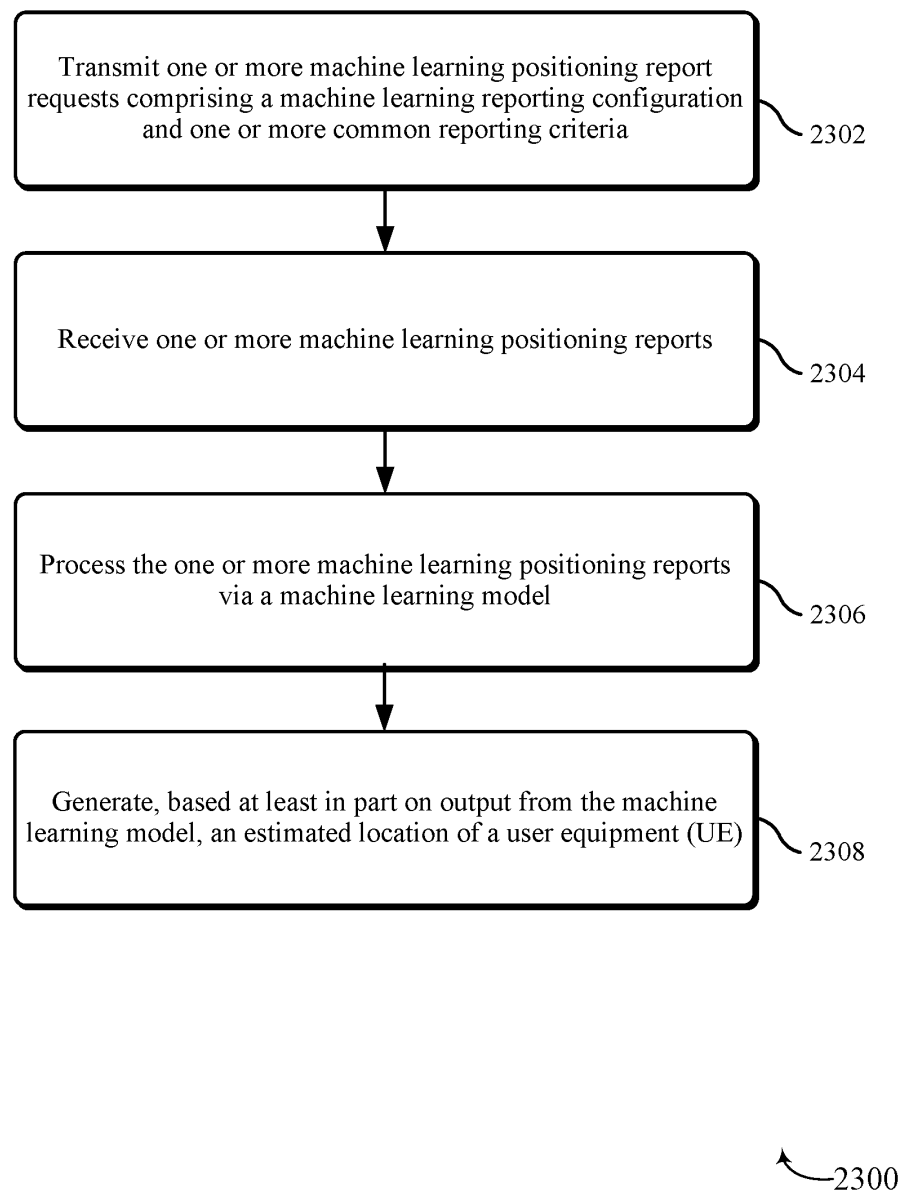


FIG. 23

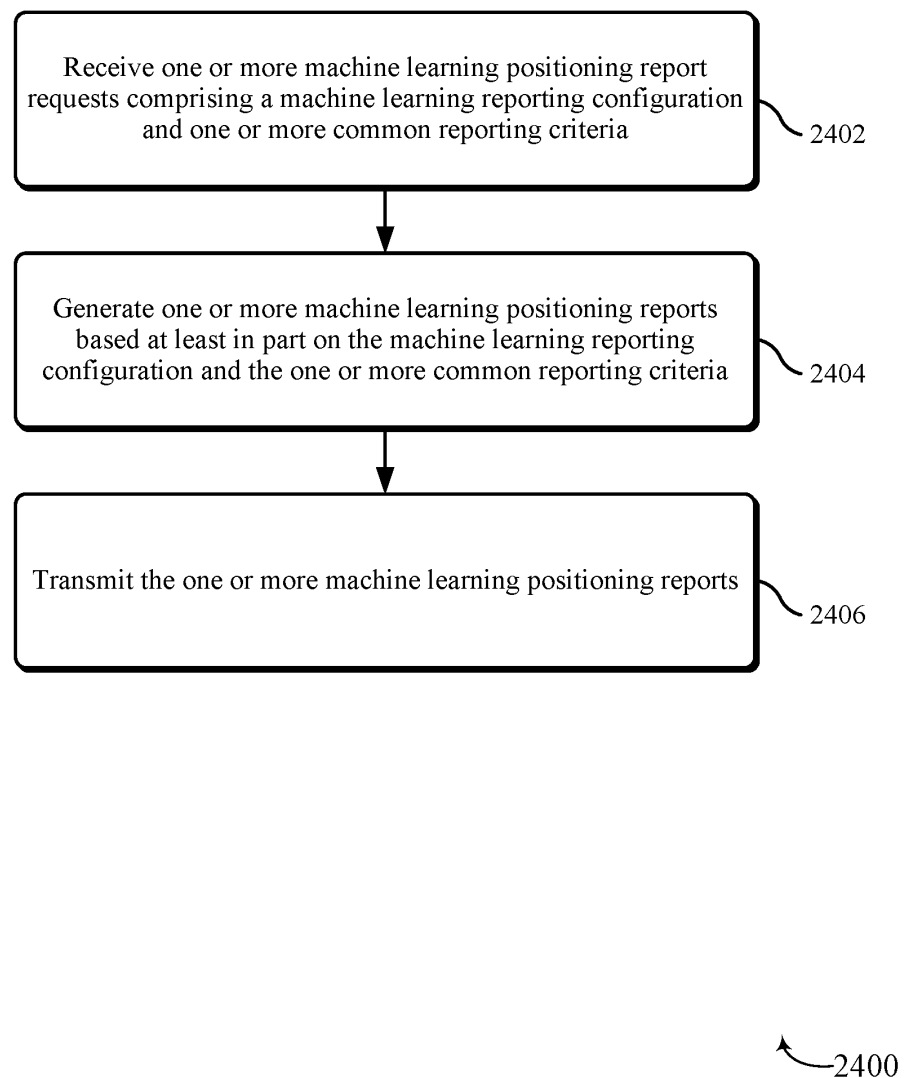


FIG. 24

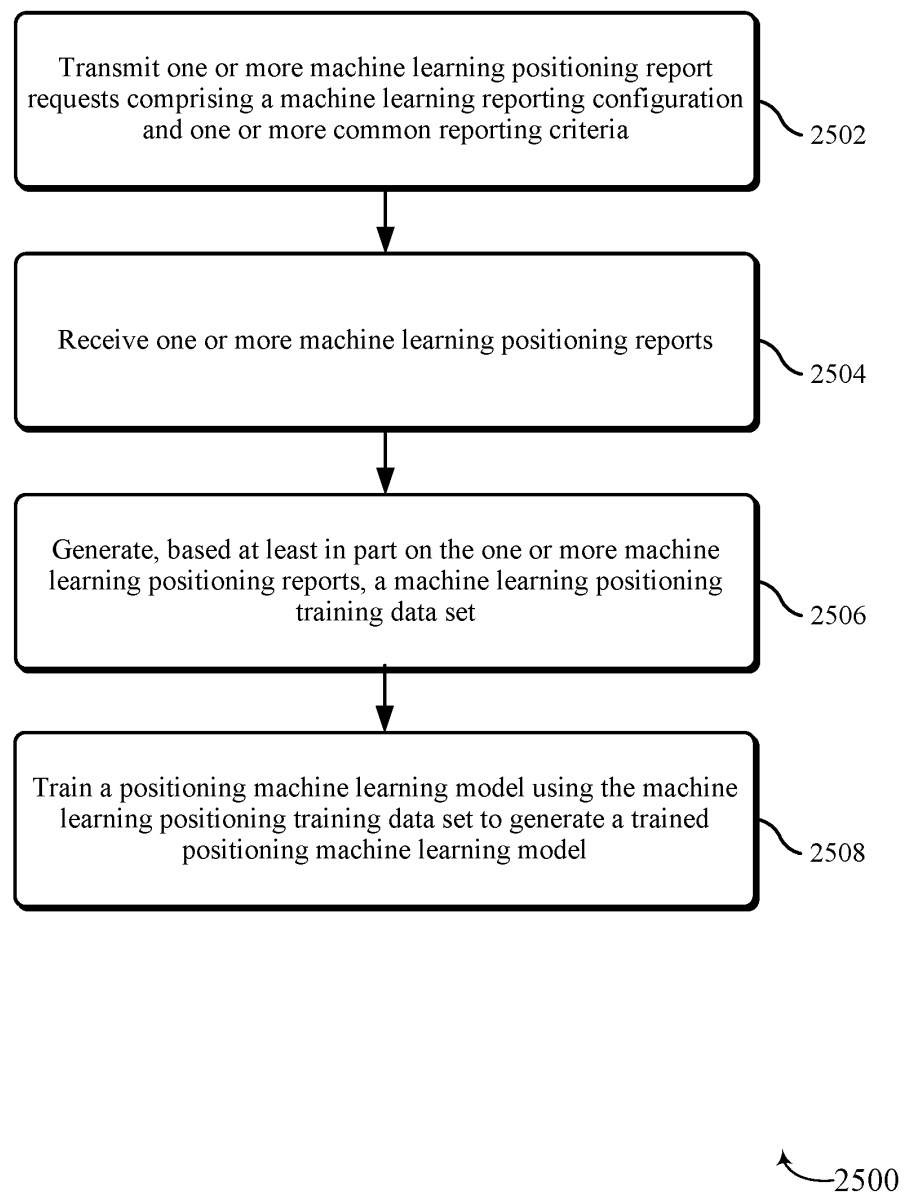


FIG. 25