

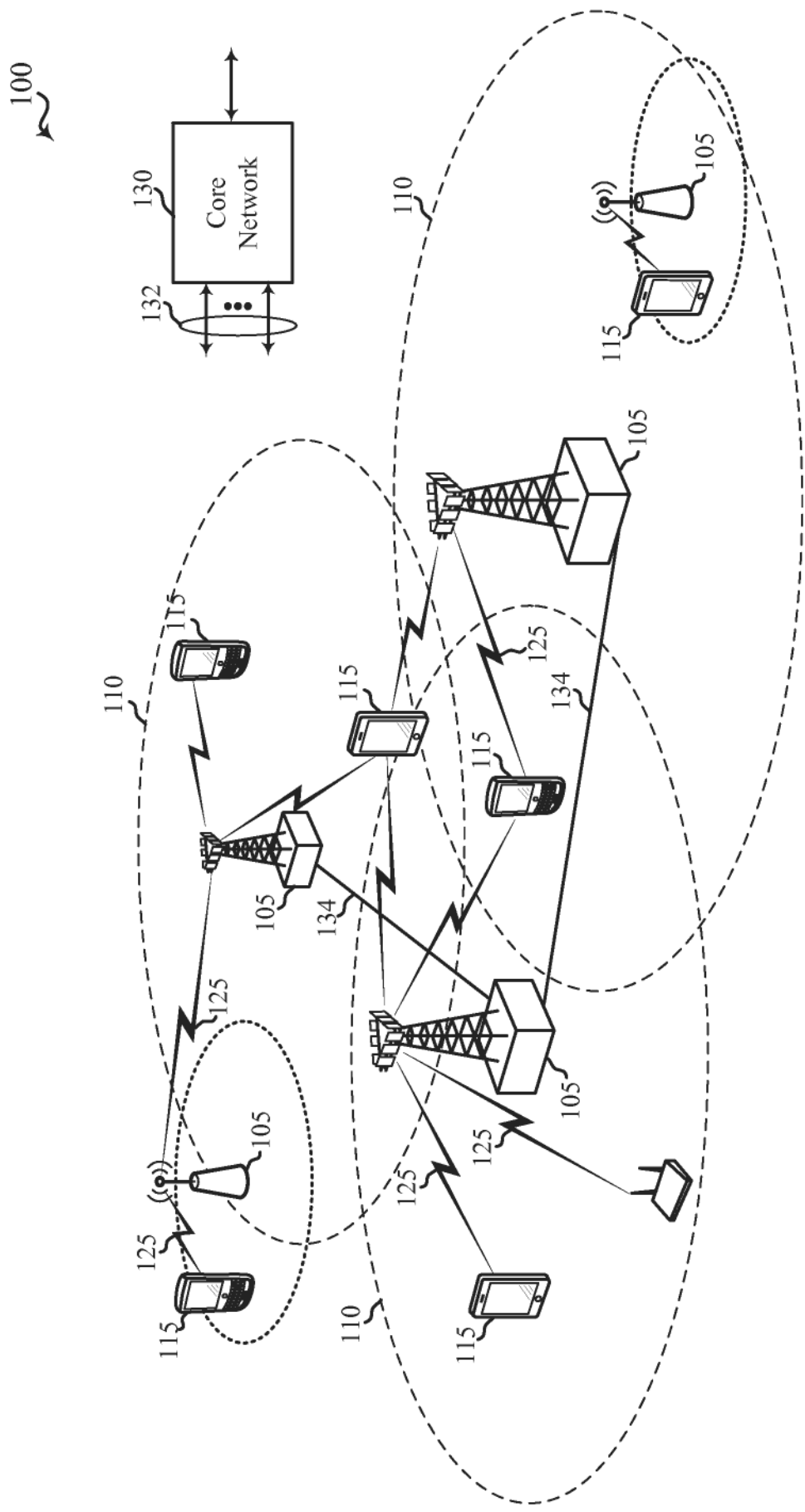


FIG. 1

200

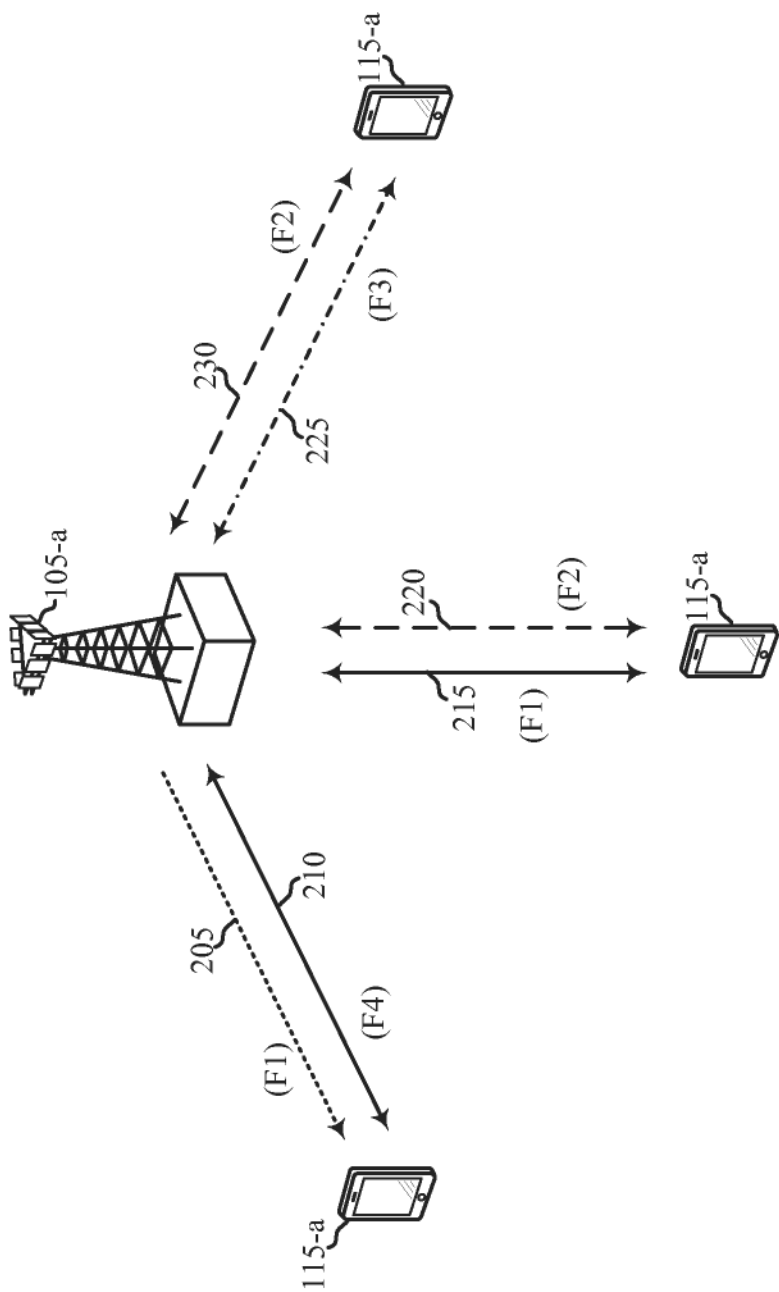


FIG. 2A

200-a

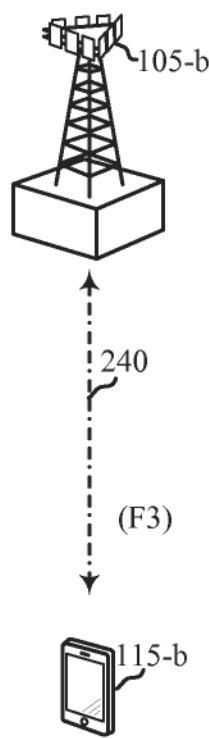


FIG. 2B

300

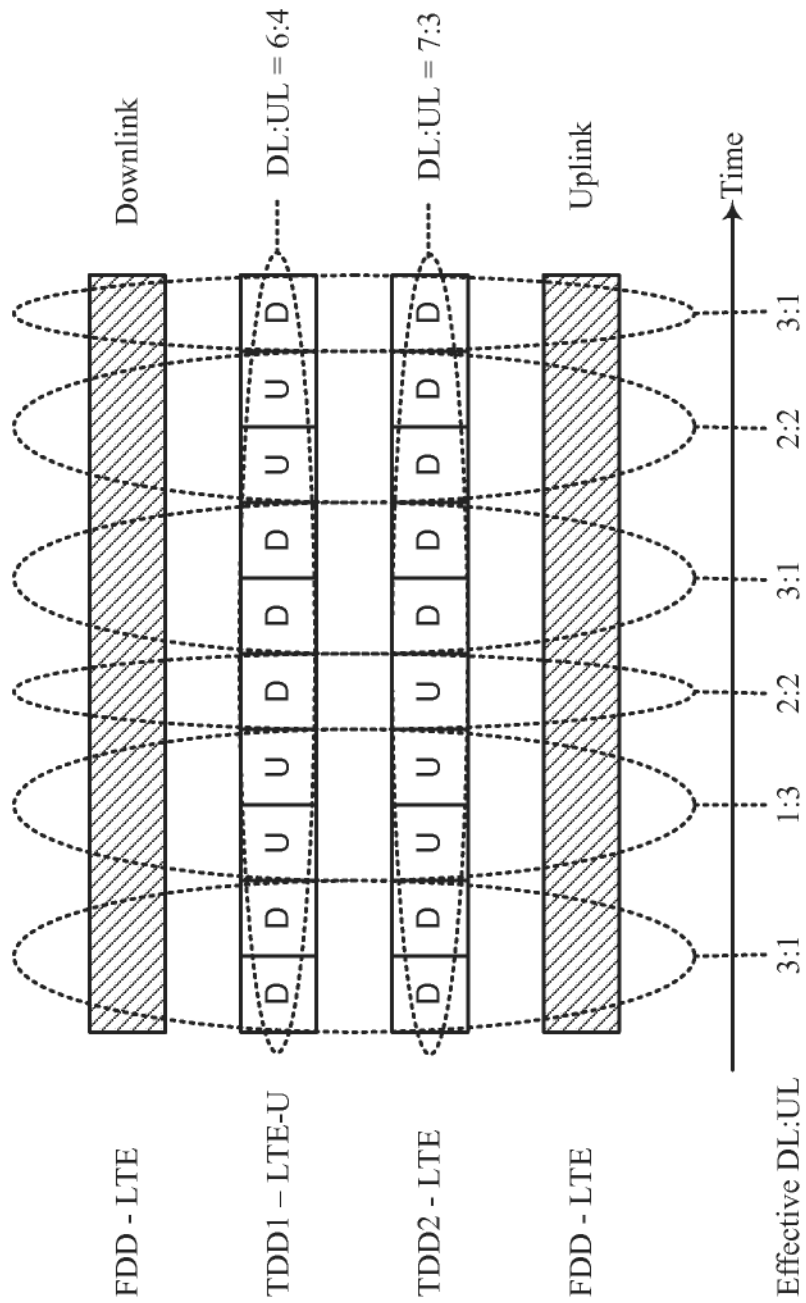


FIG. 3

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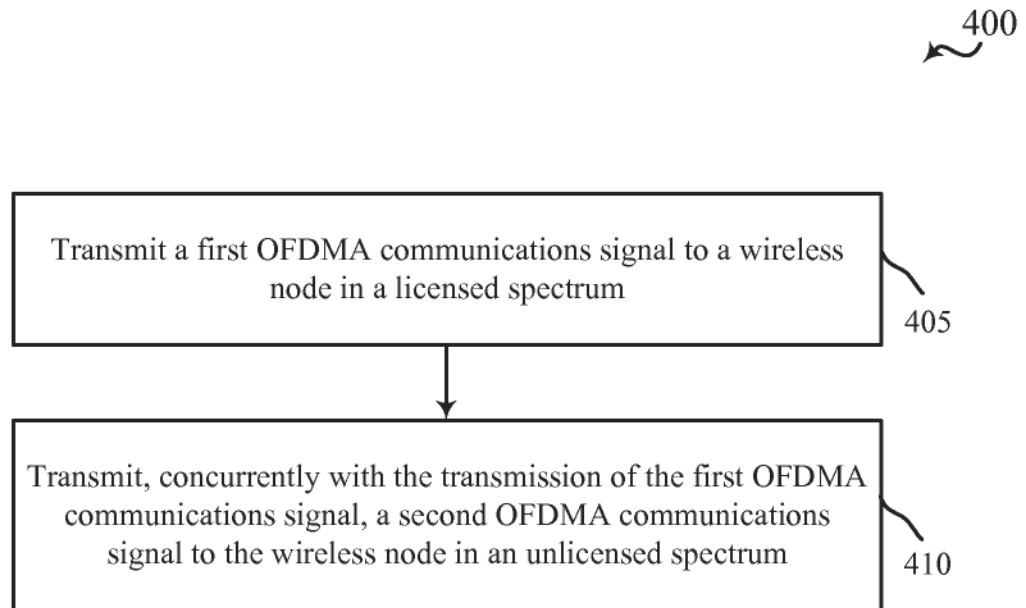


FIG. 4A

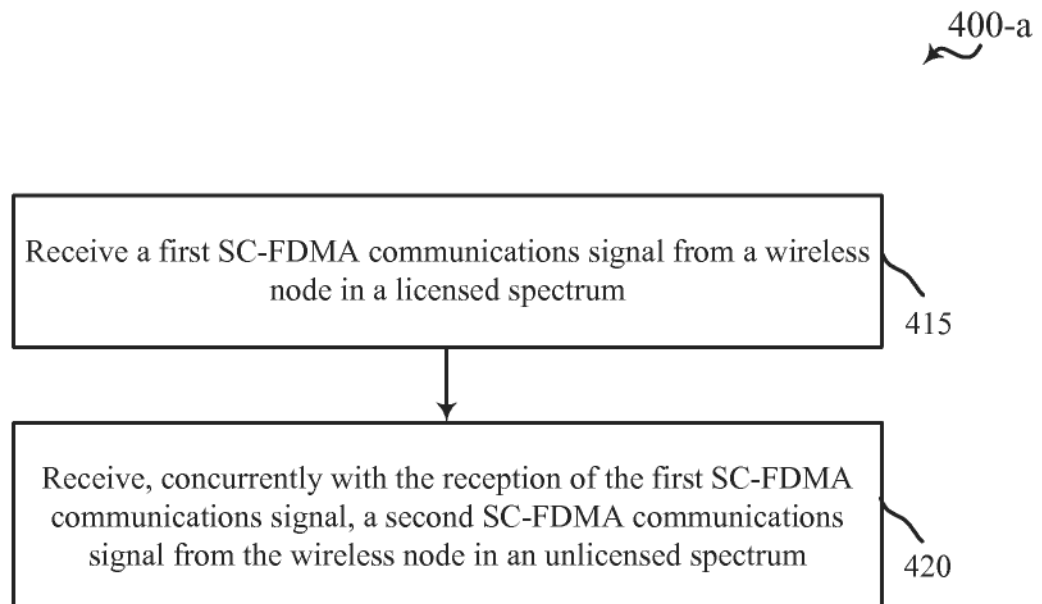


FIG. 4B

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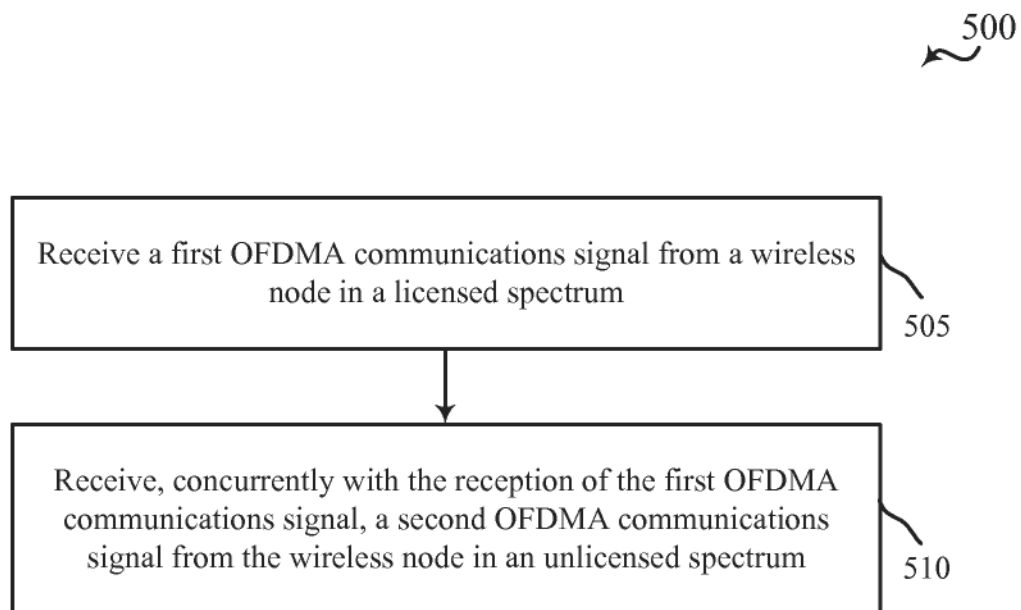


FIG. 5A

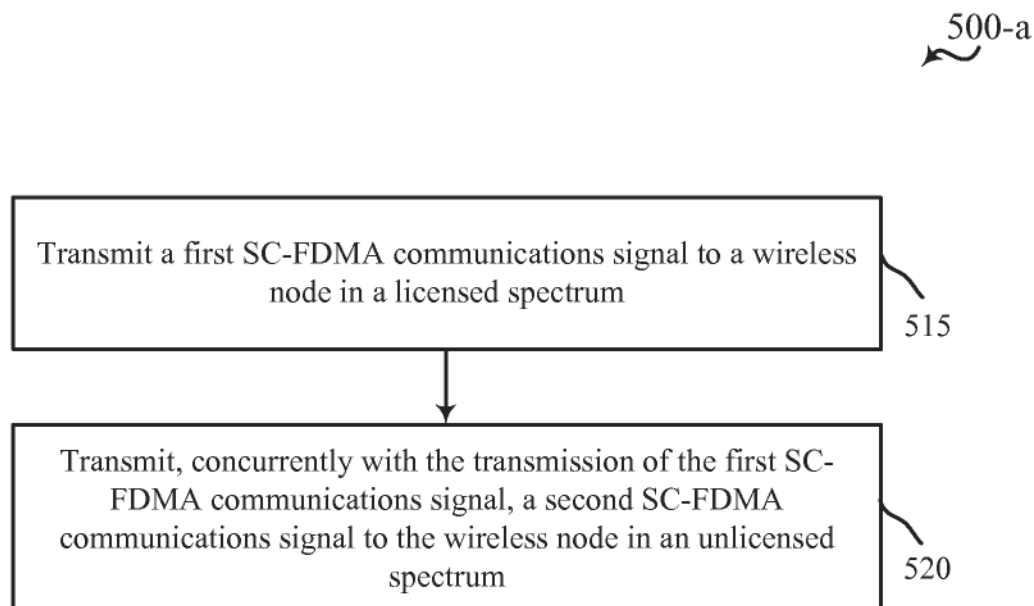


FIG. 5B

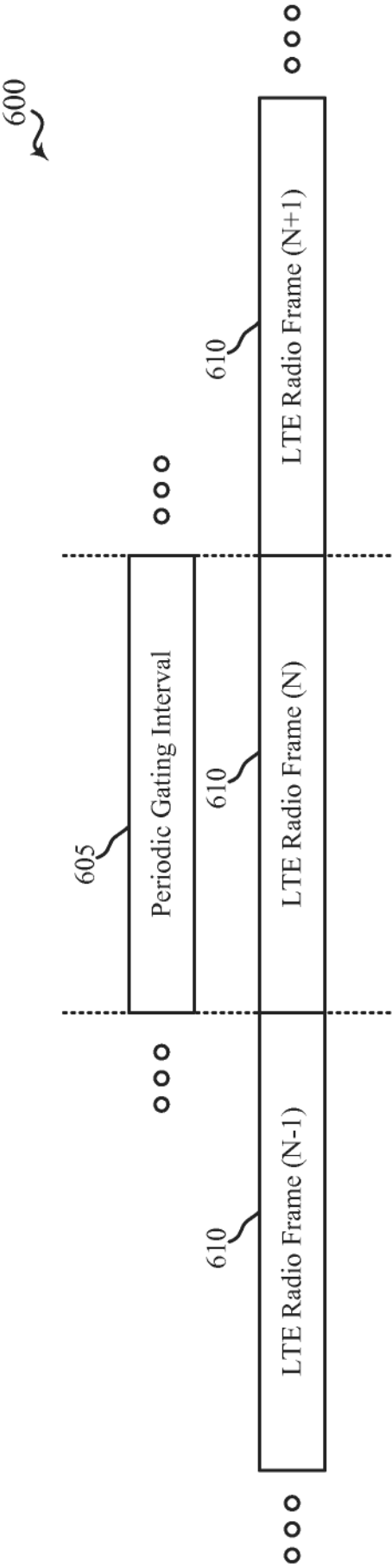


FIG. 6A

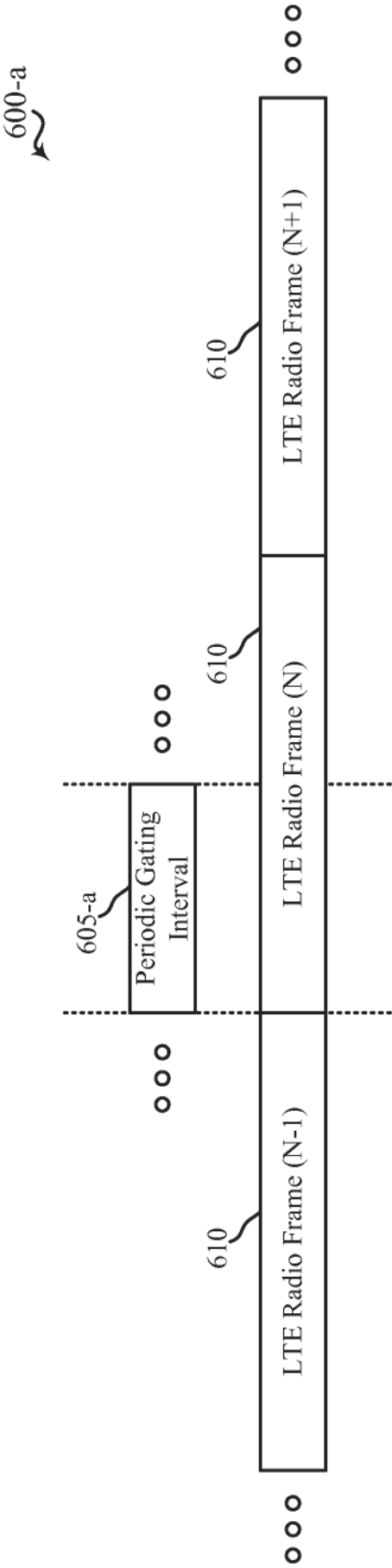


FIG. 6B

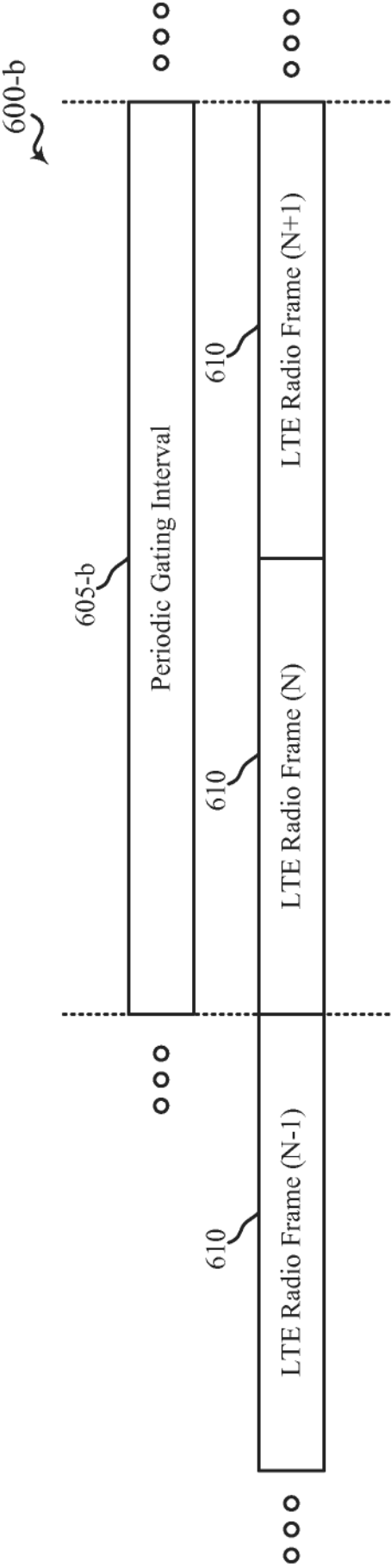


FIG. 6C

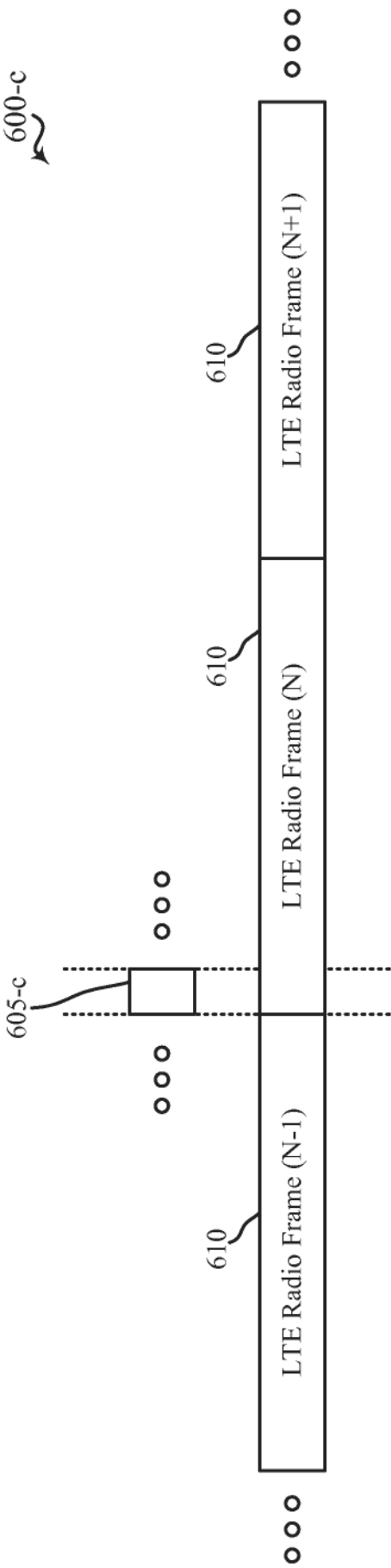


FIG. 6D

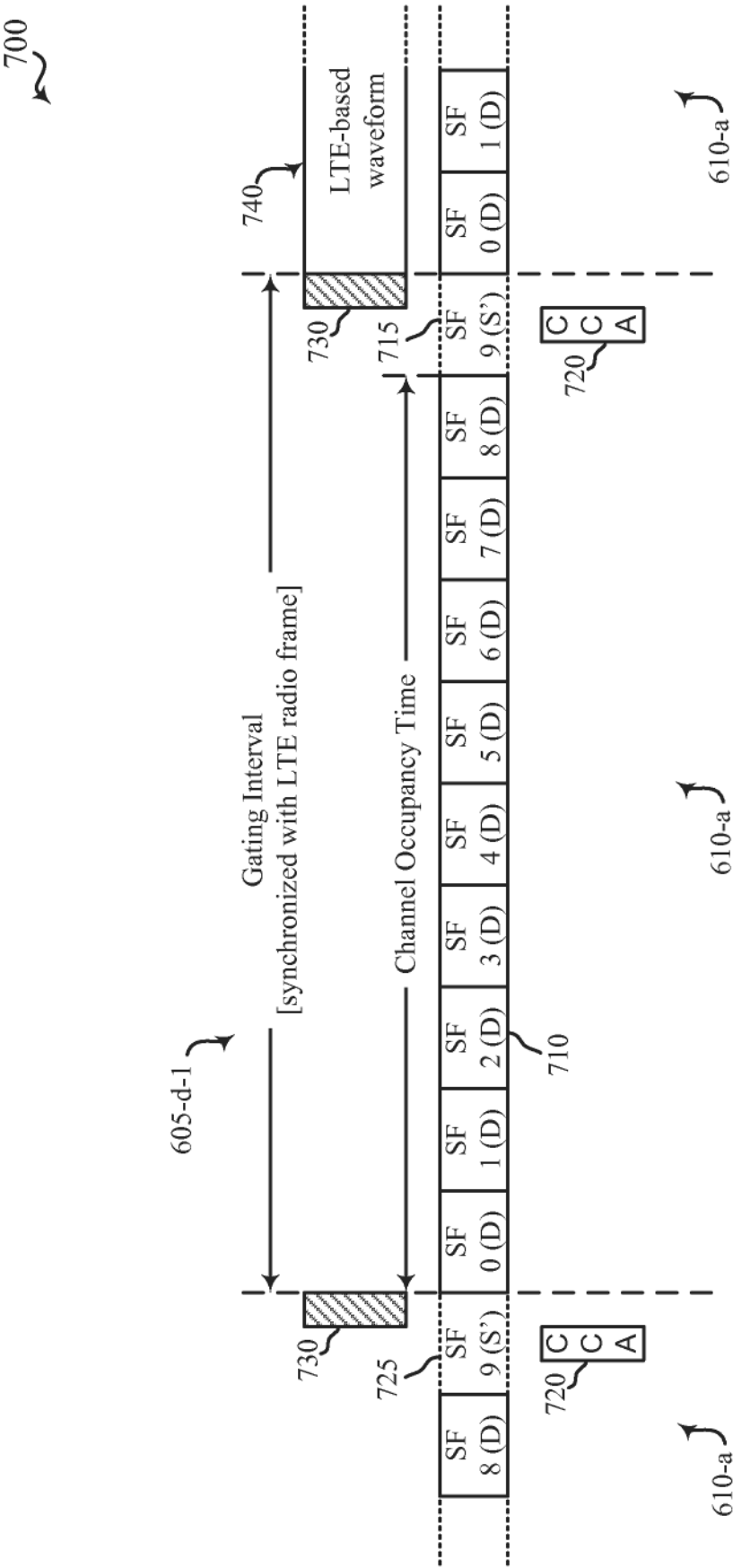


FIG. 7A

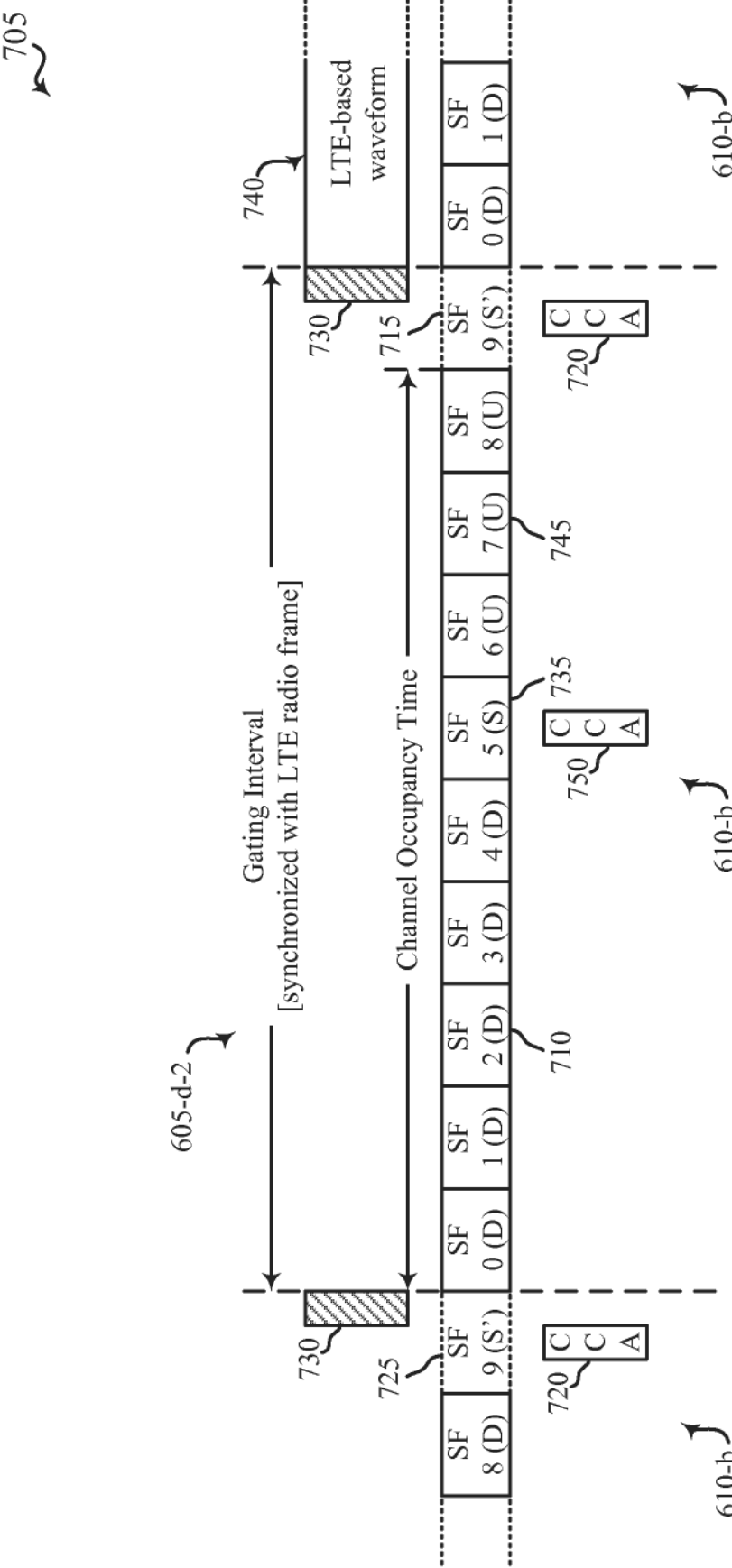


FIG. 7B

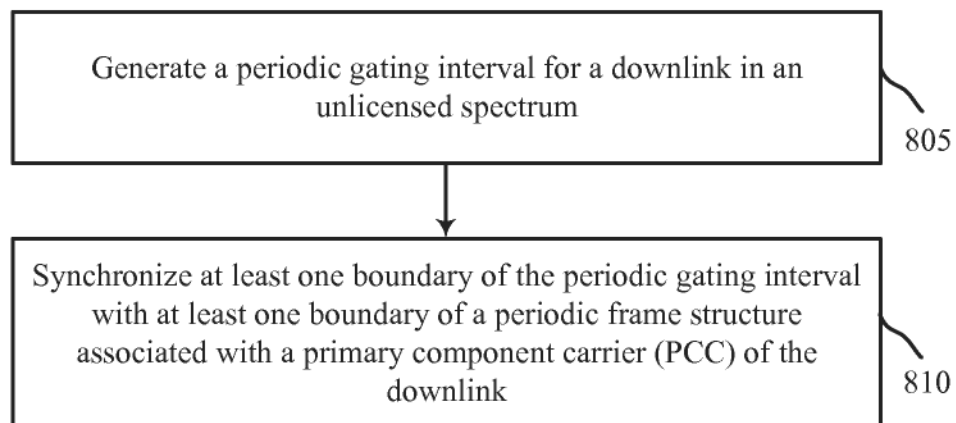


FIG. 8

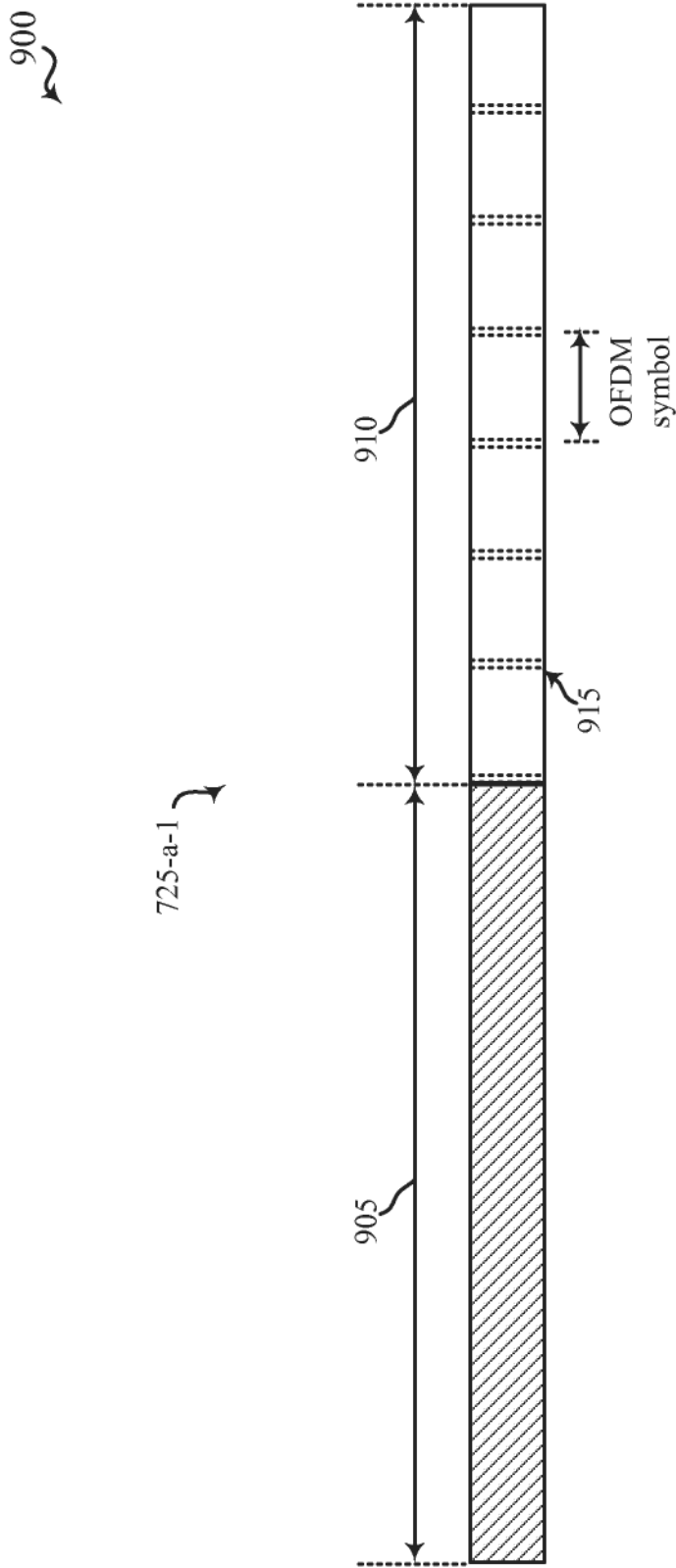


FIG. 9A

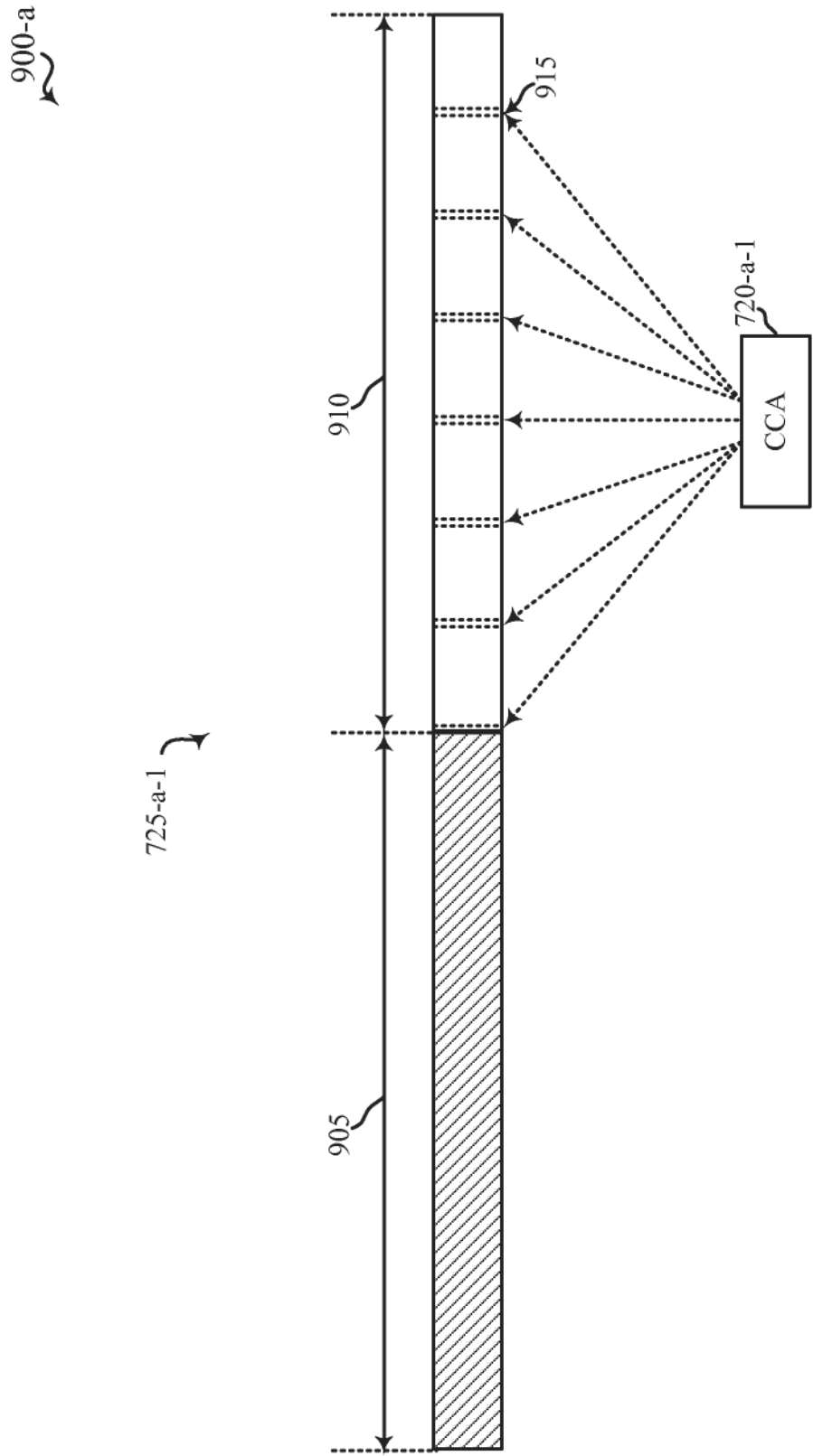


FIG. 9B

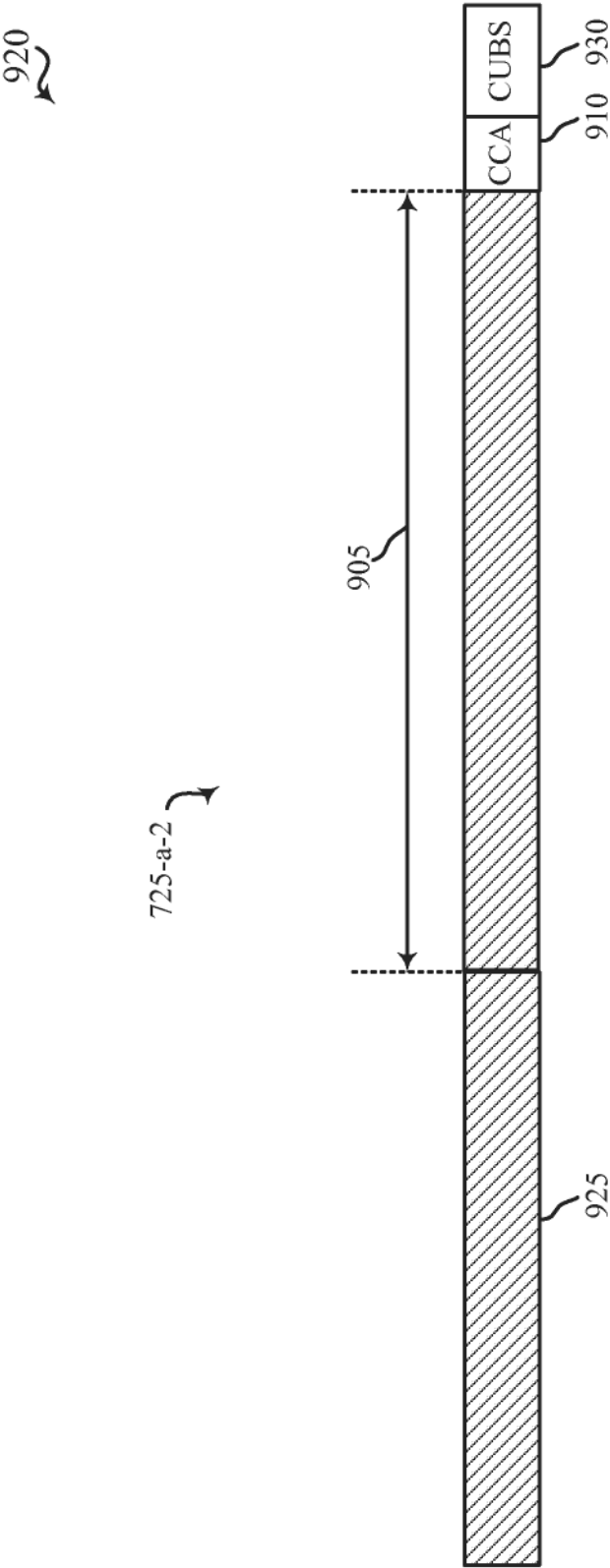


FIG. 9C

950

725-a-3

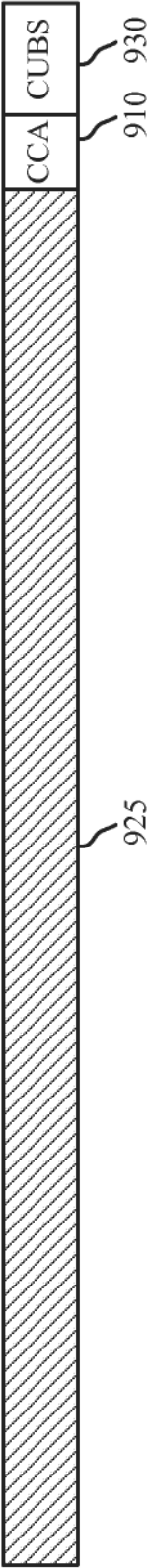


FIG. 9D

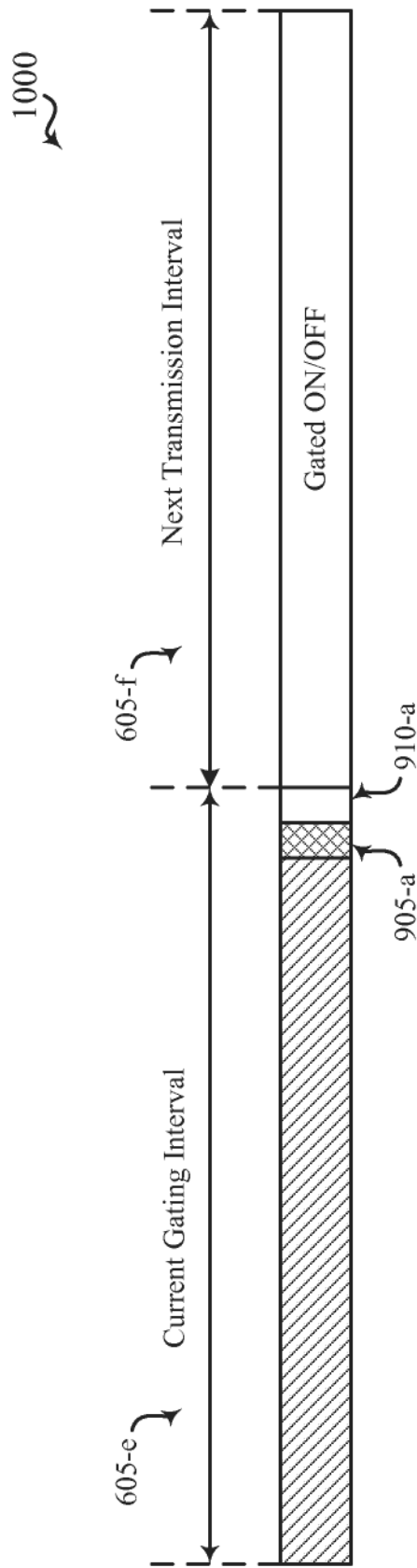


FIG. 10A

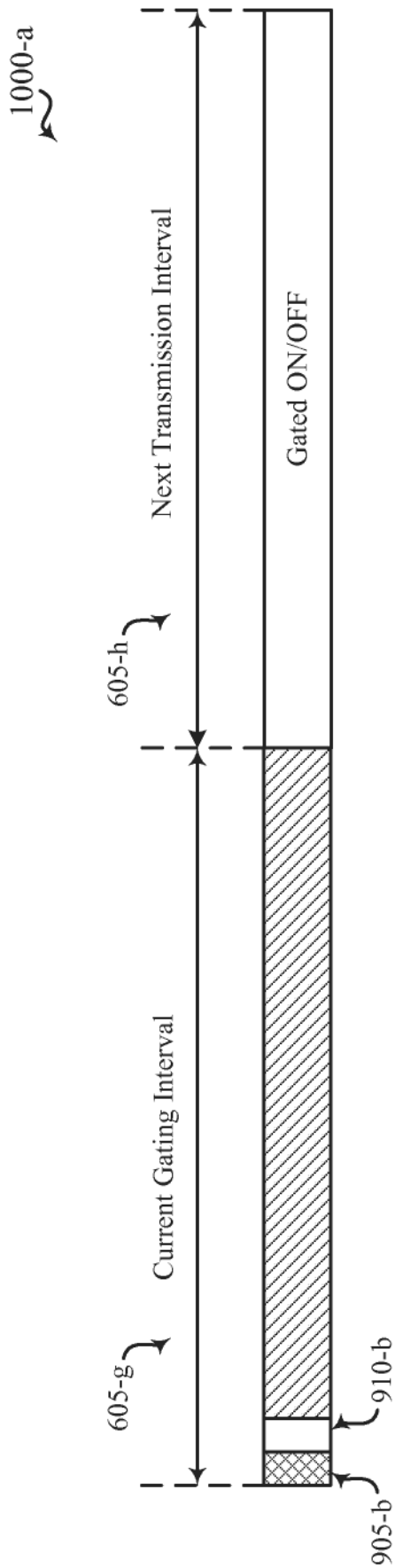


FIG. 10B

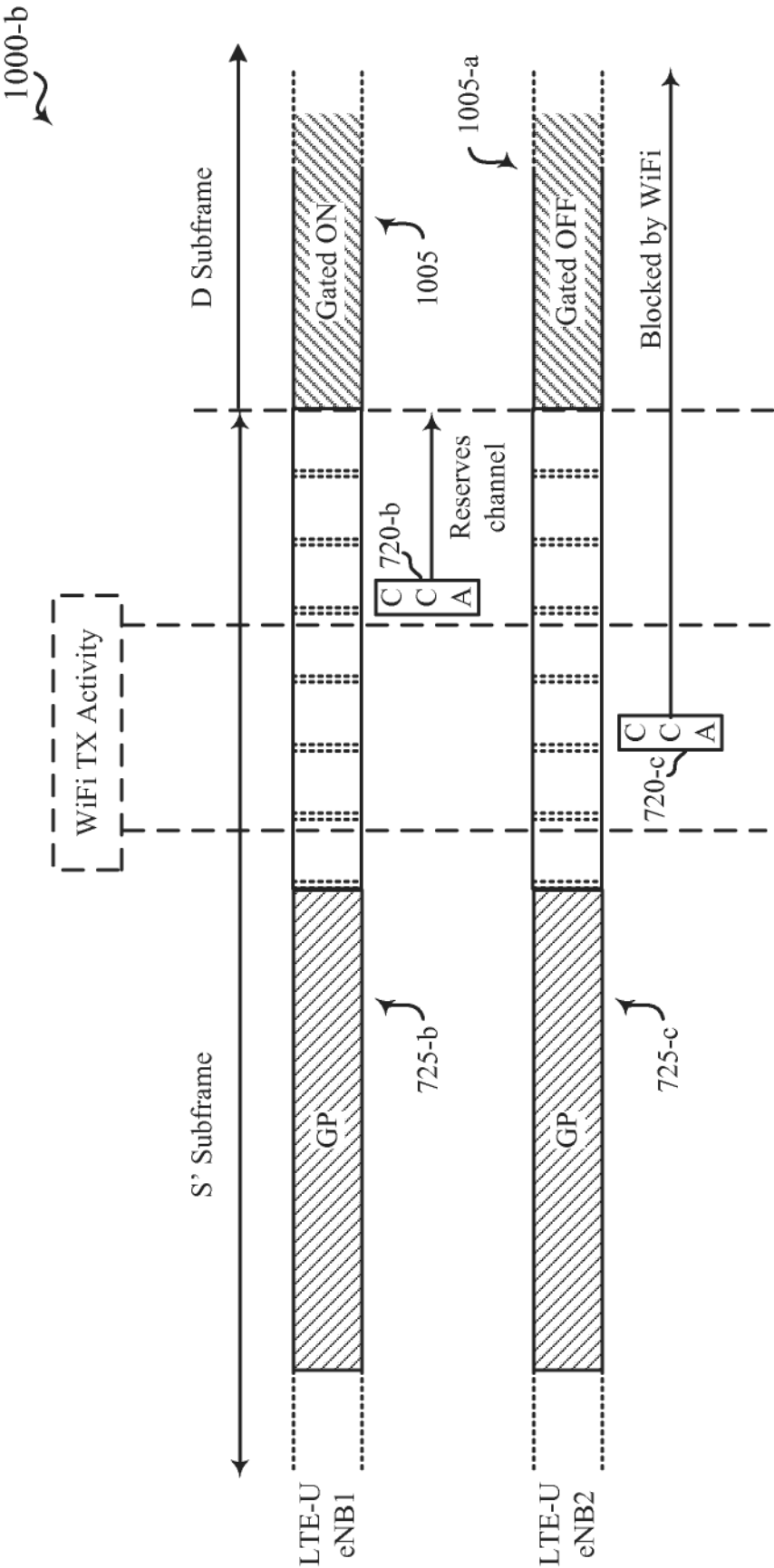


FIG. 10C

1000-c

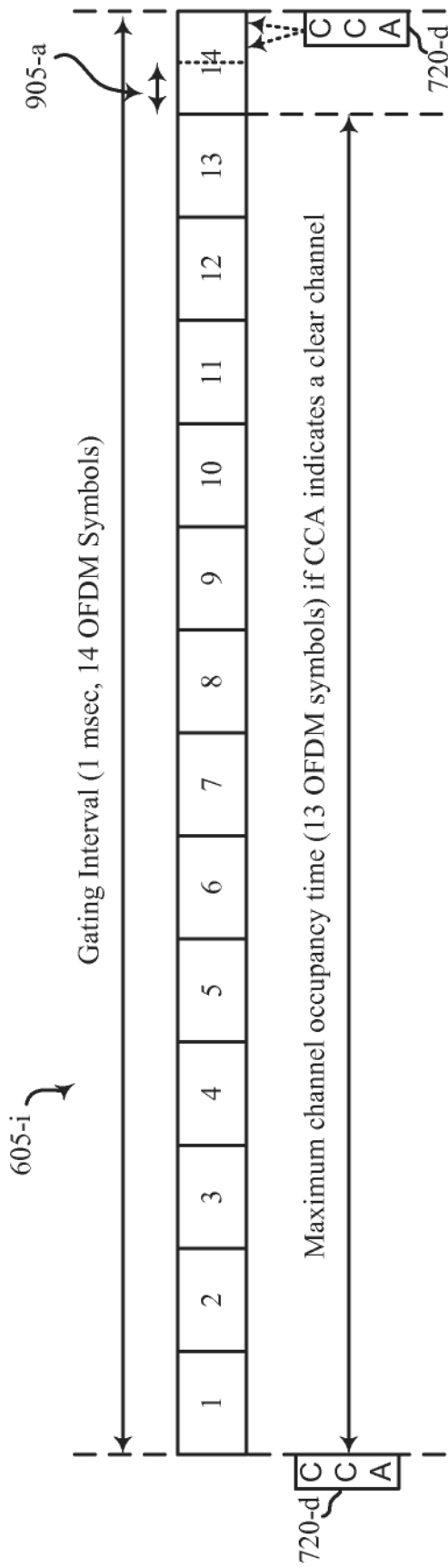


FIG. 10D

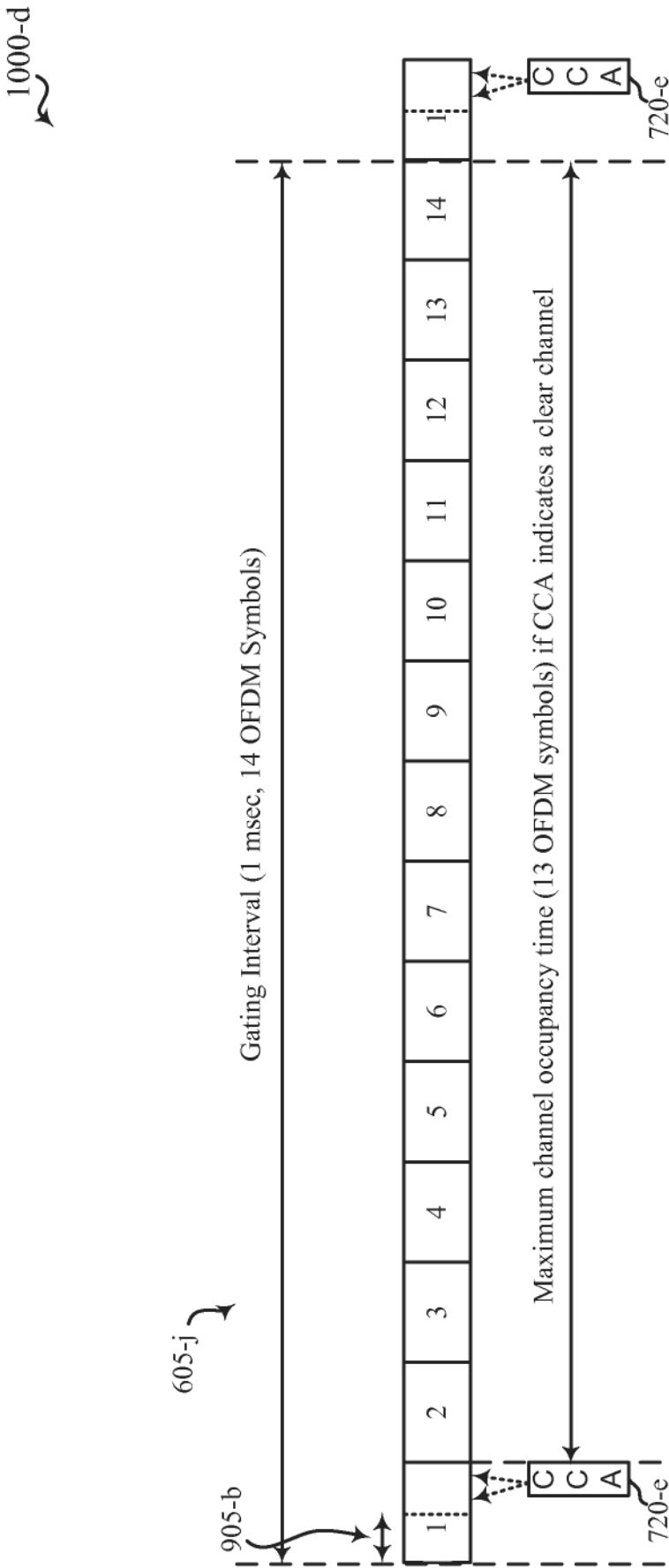


FIG. 10E

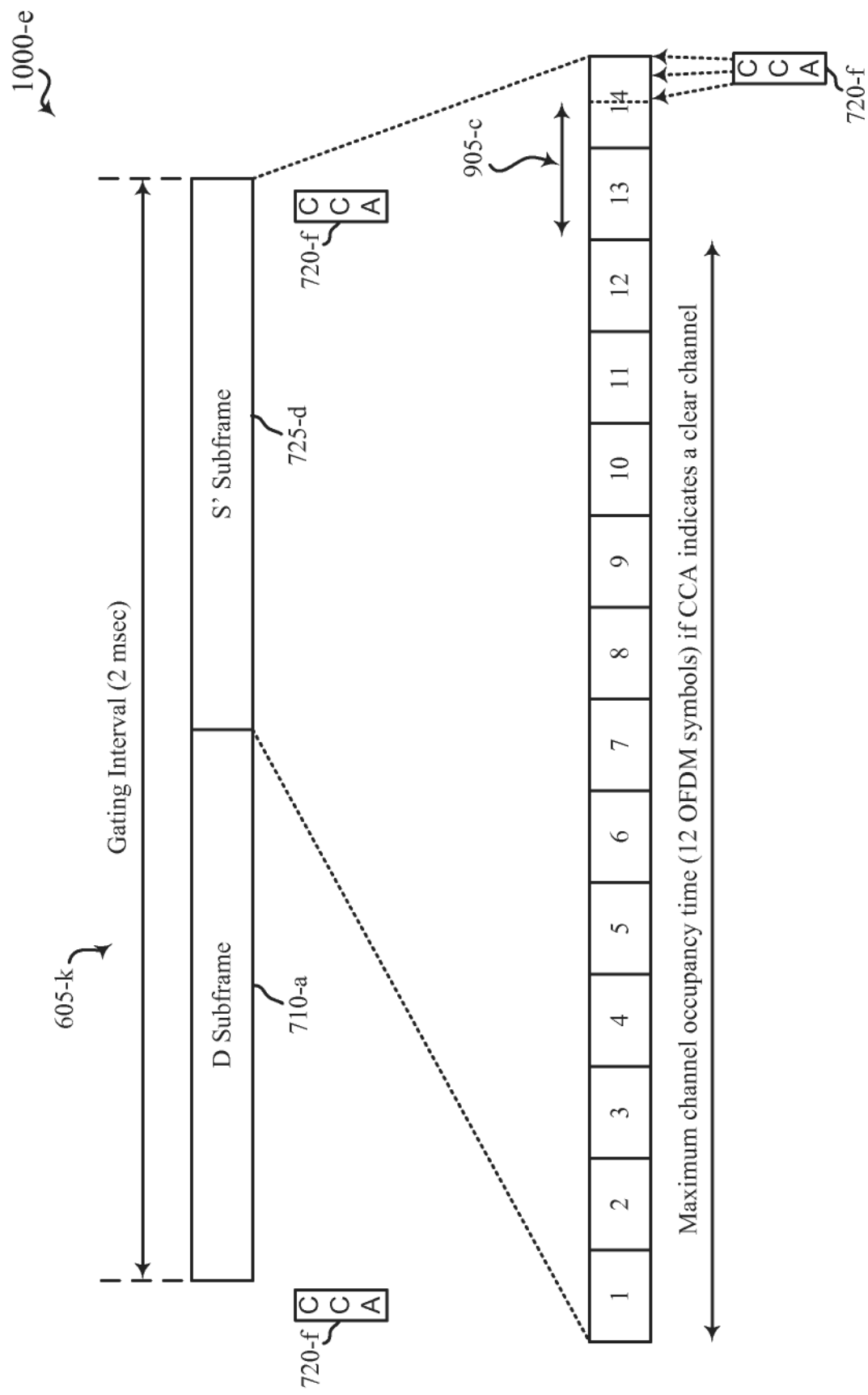


FIG. 10F

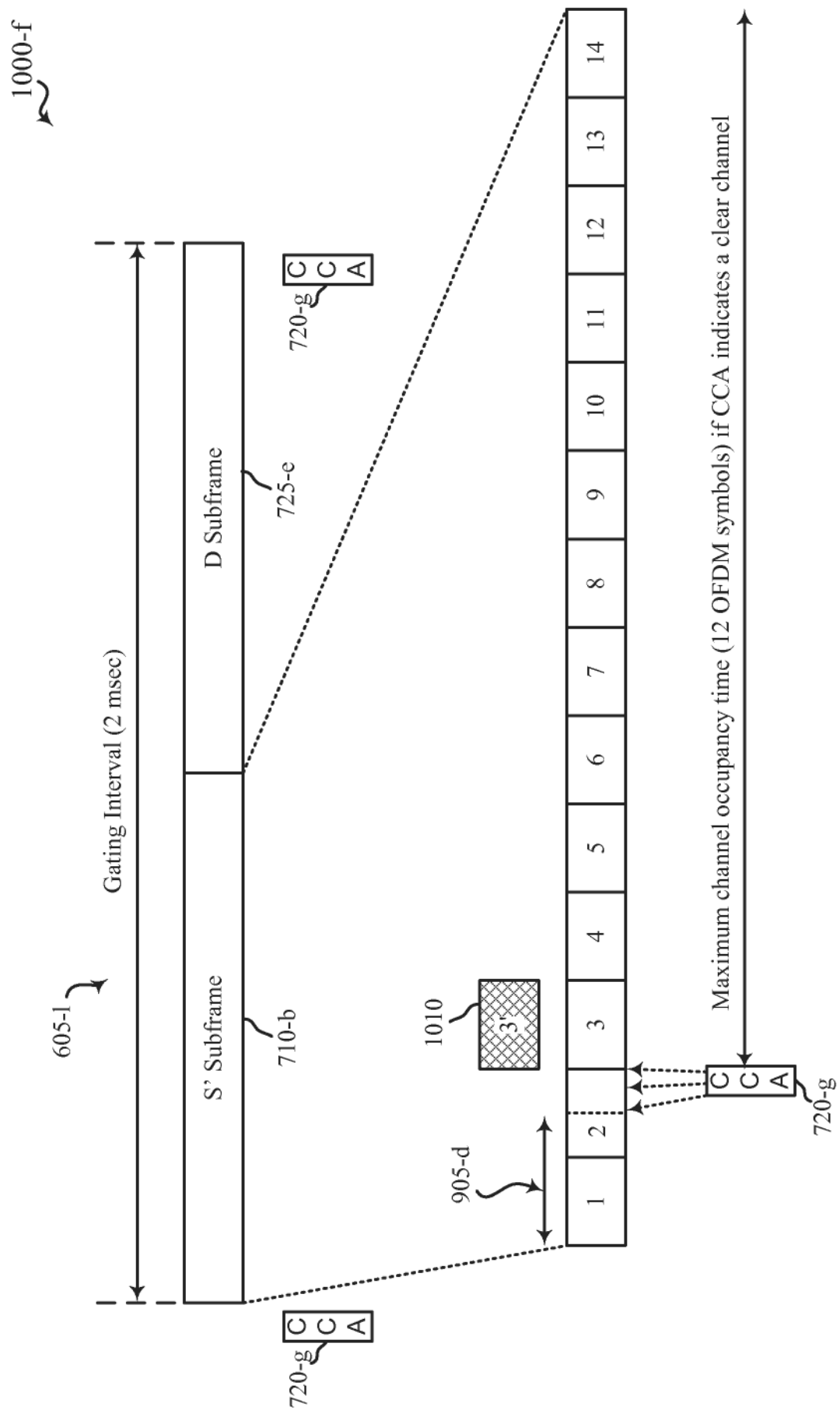


FIG. 10G

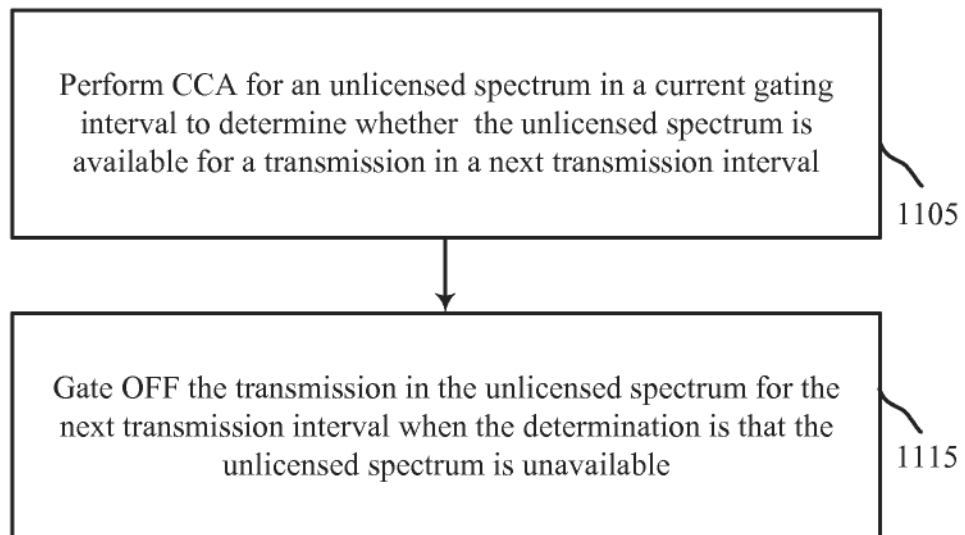


FIG. 11

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1200

Synchronize CCA slots across a plurality of base stations to determine availability of an unlicensed spectrum for downlink transmissions in a next transmission interval

1205

FIG. 12A

1200-a

Synchronize CCA slots across a plurality of base stations to determine availability of an unlicensed spectrum for transmissions in a next transmission interval

1215

Identify one of the CCA slots in which to determine the availability of the unlicensed spectrum, where the CCA slot is identified based at least in part on a pseudo-random selection sequence driven by a randomization seed

1220

FIG. 12B

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1300

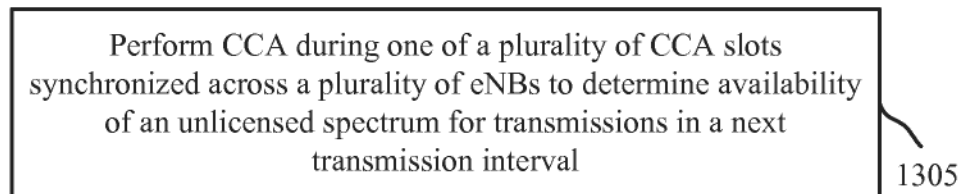


FIG. 13A

1300-a

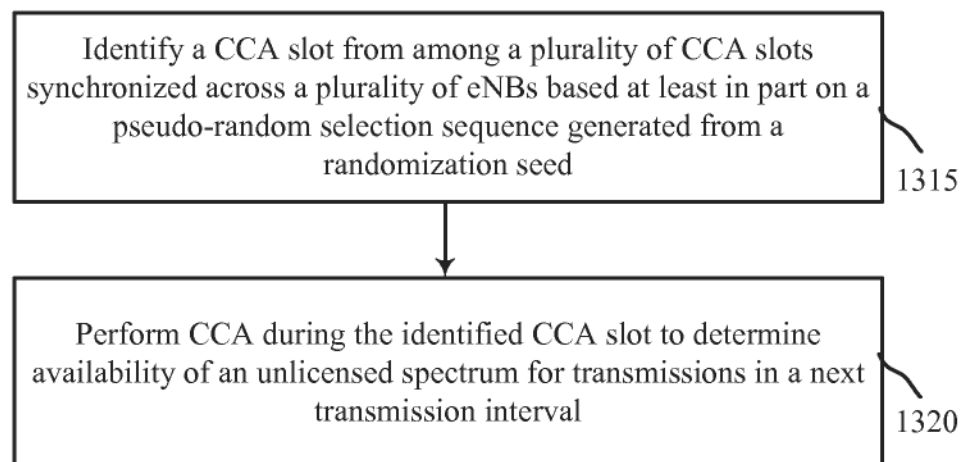


FIG. 13B

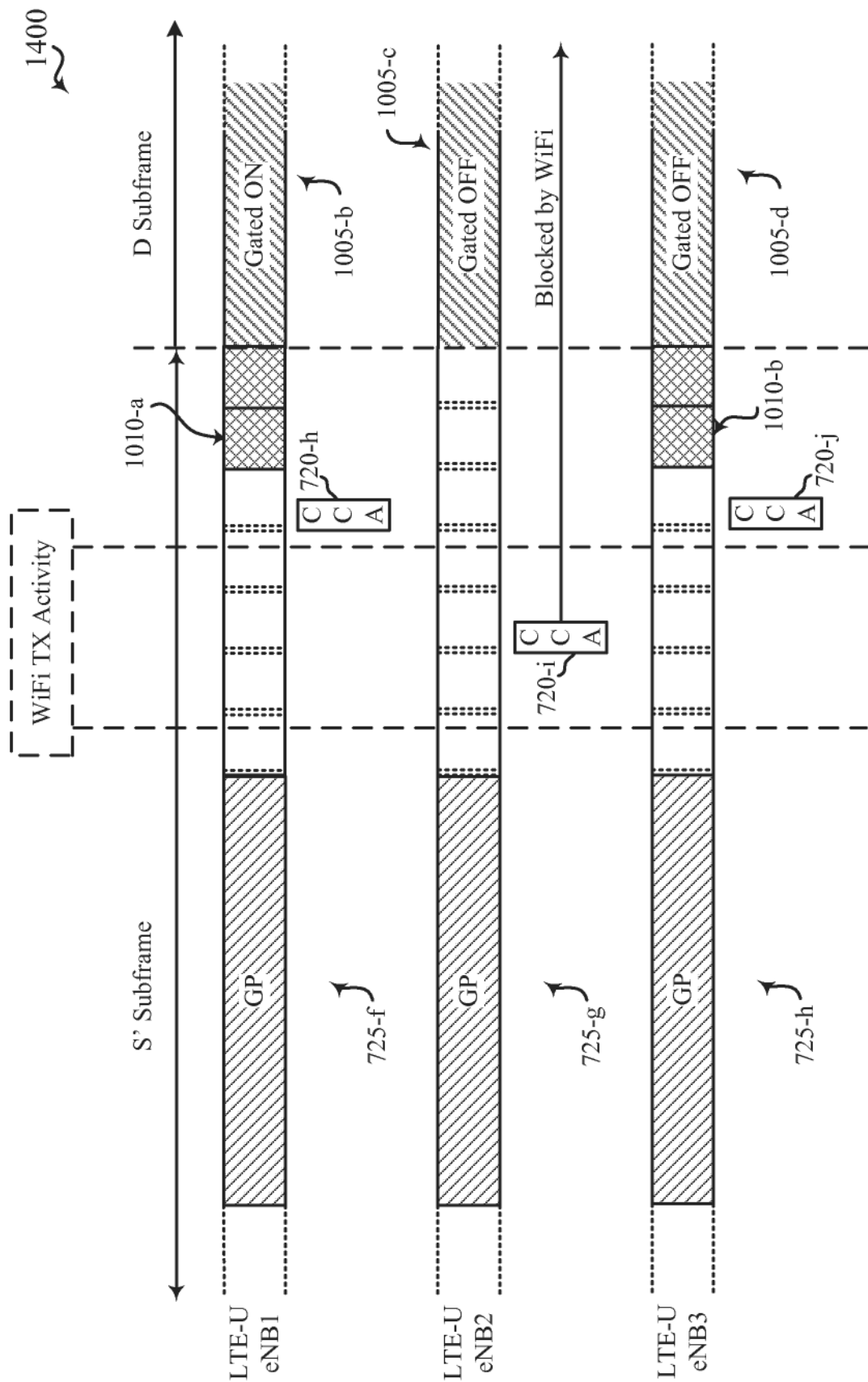


FIG. 14A

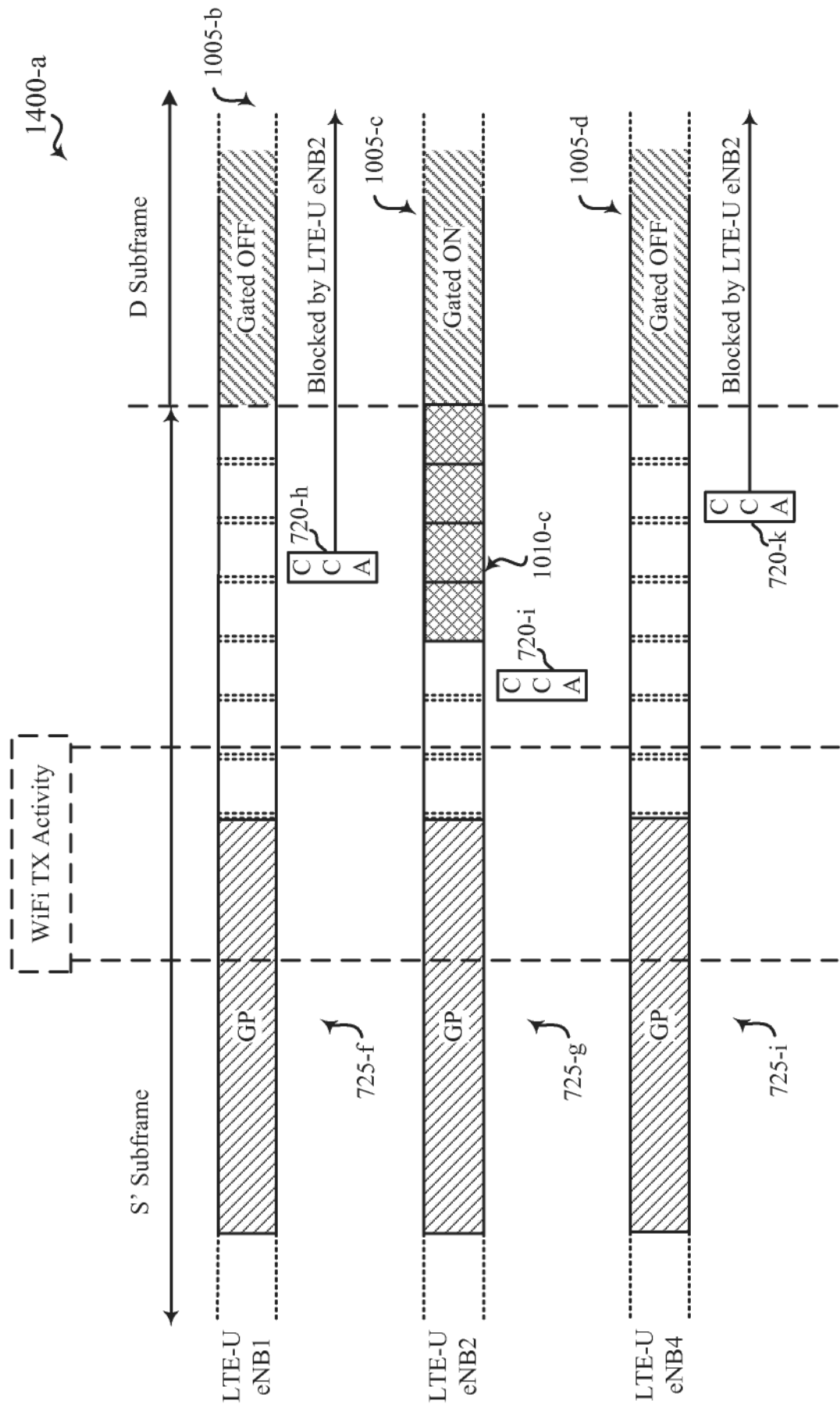


FIG. 14B

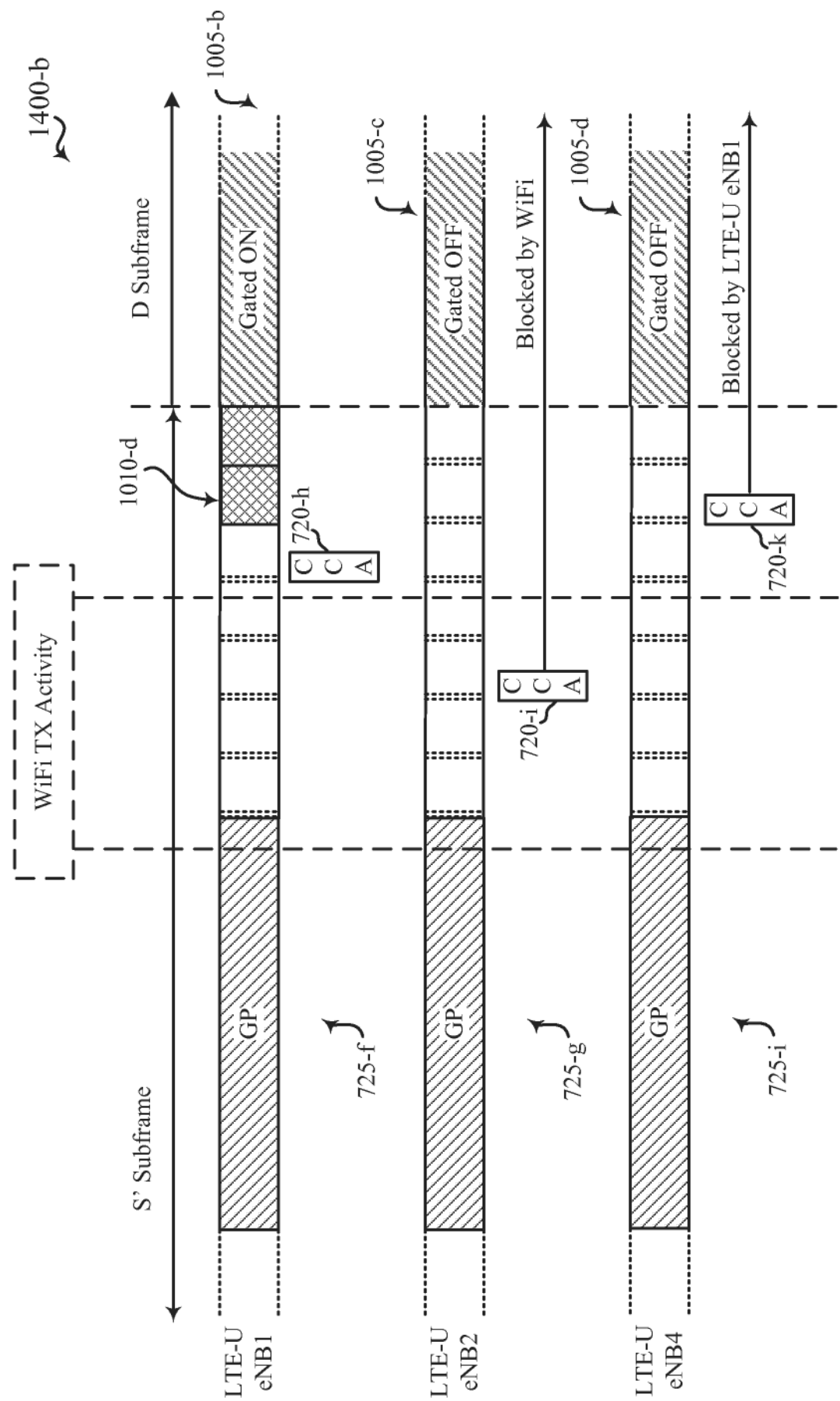


FIG. 14C

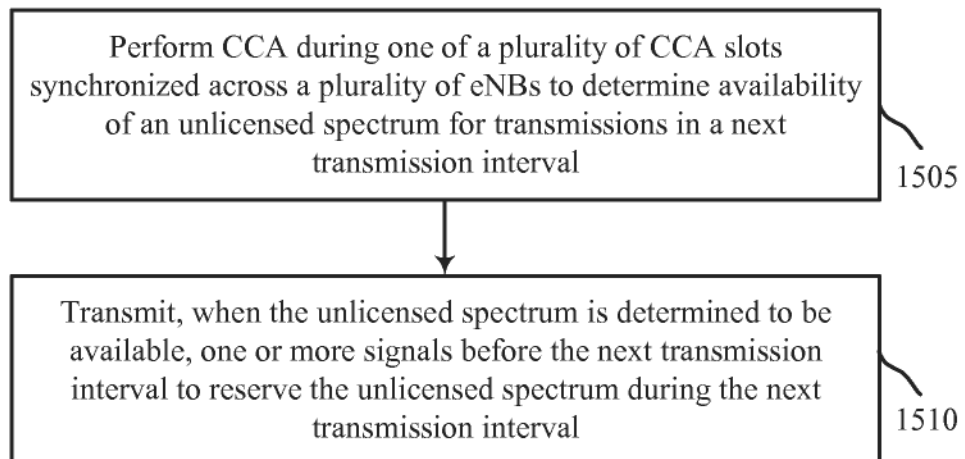


FIG. 15

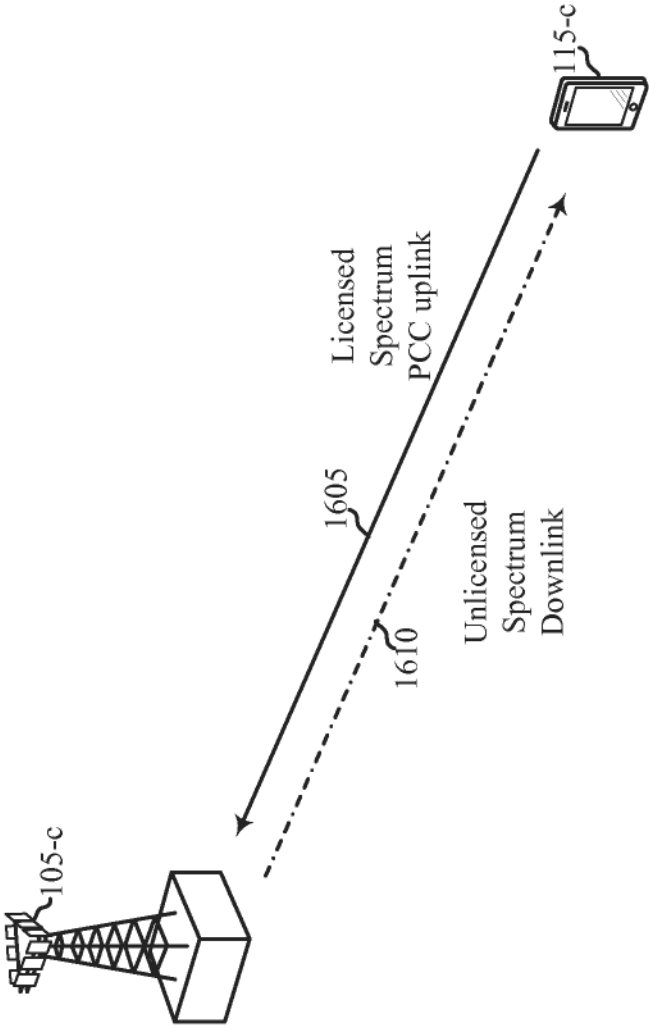


FIG. 16

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1700

Receive feedback information from a UE via a PPC uplink in a licensed spectrum, where the feedback information addresses signals transmitted to the UE via a downlink in an unlicensed spectrum

1705

FIG. 17A

1700-a

Transmit feedback information from a UE to an eNB via a PPC uplink in a licensed spectrum, where the feedback information addresses signals transmitted to the UE via a downlink in an unlicensed spectrum

1715

FIG. 17B

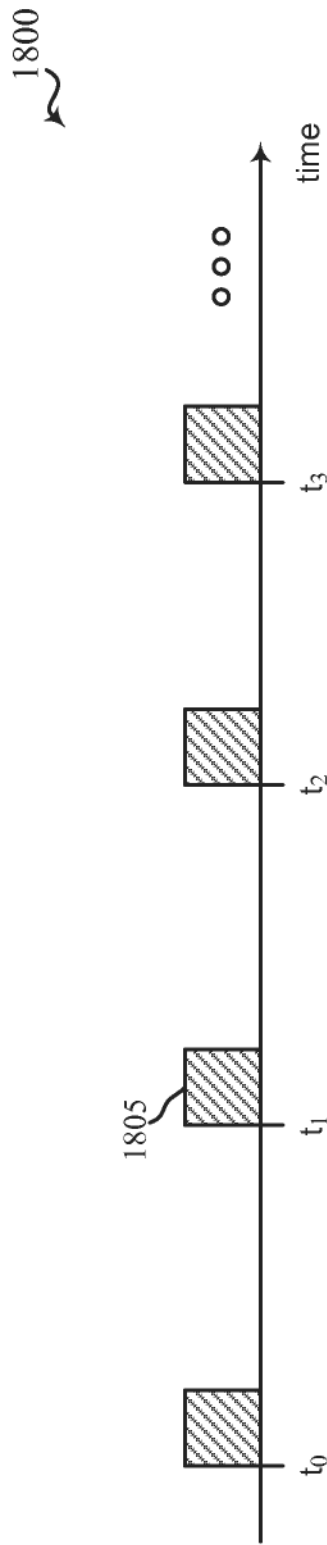


FIG. 18A

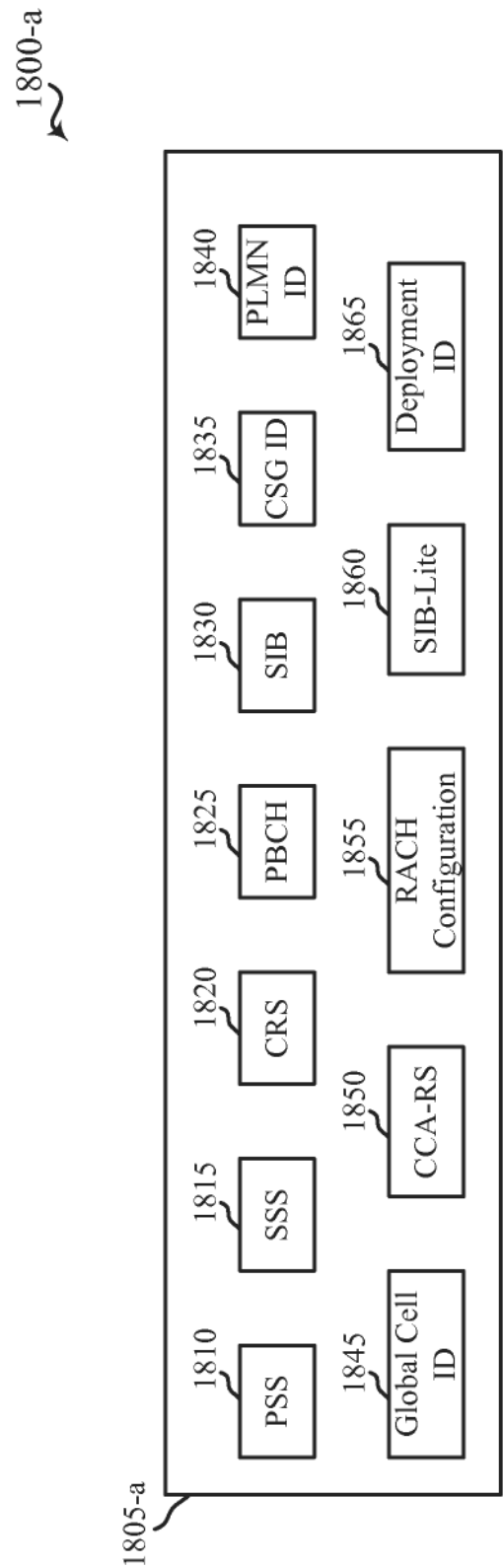


FIG. 18B

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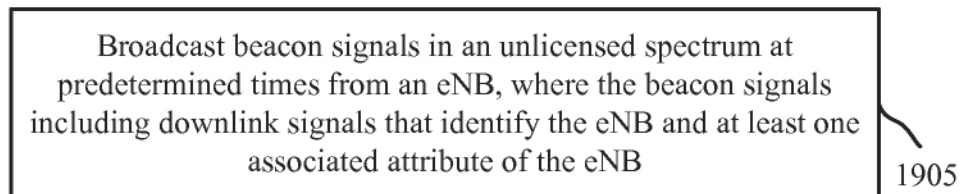
1900  
~

FIG. 19A

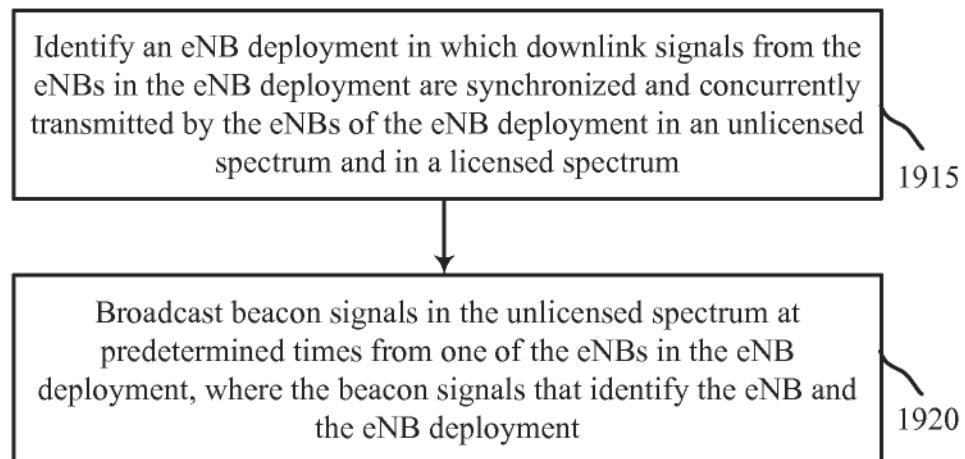
1900-a  
~

FIG. 19B

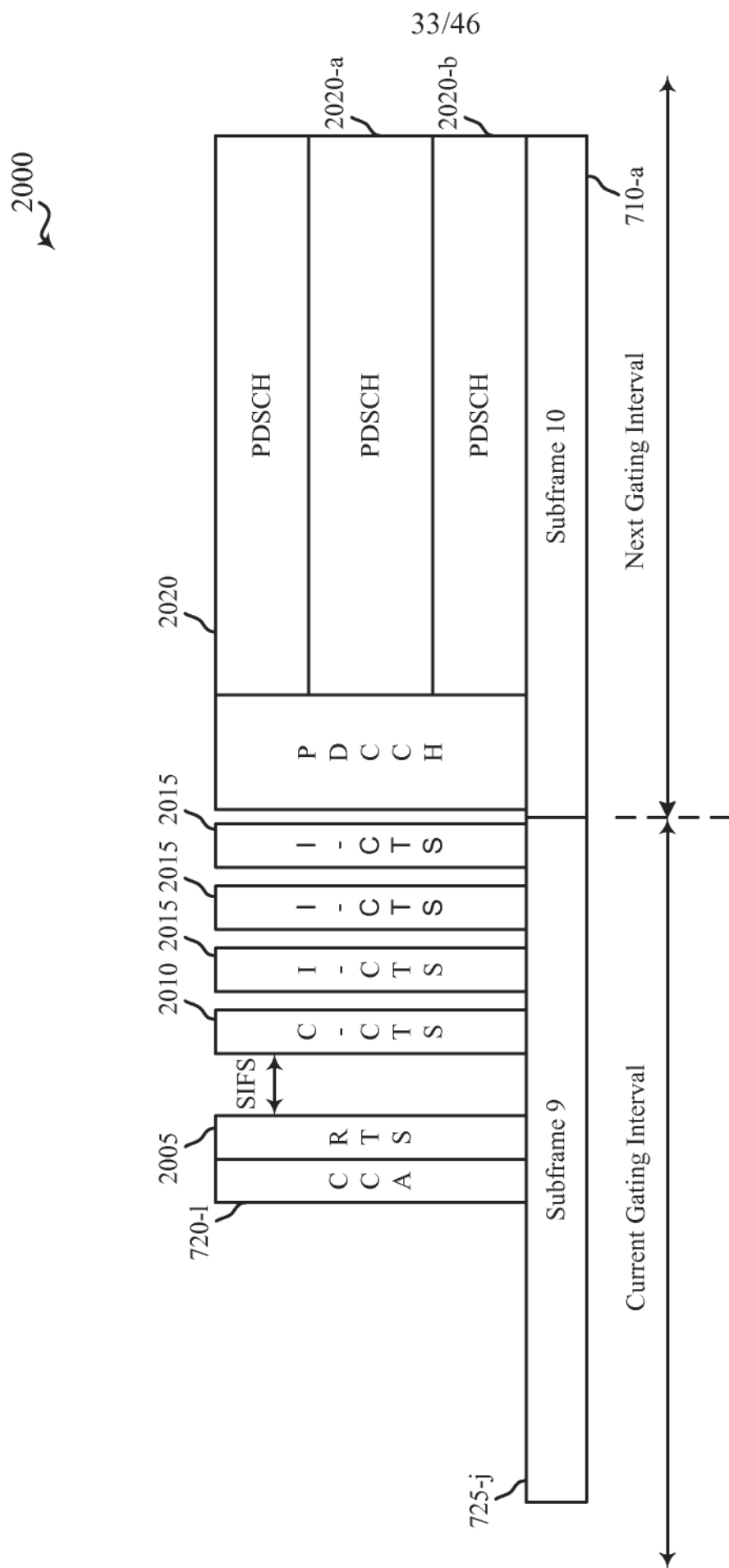


FIG. 20

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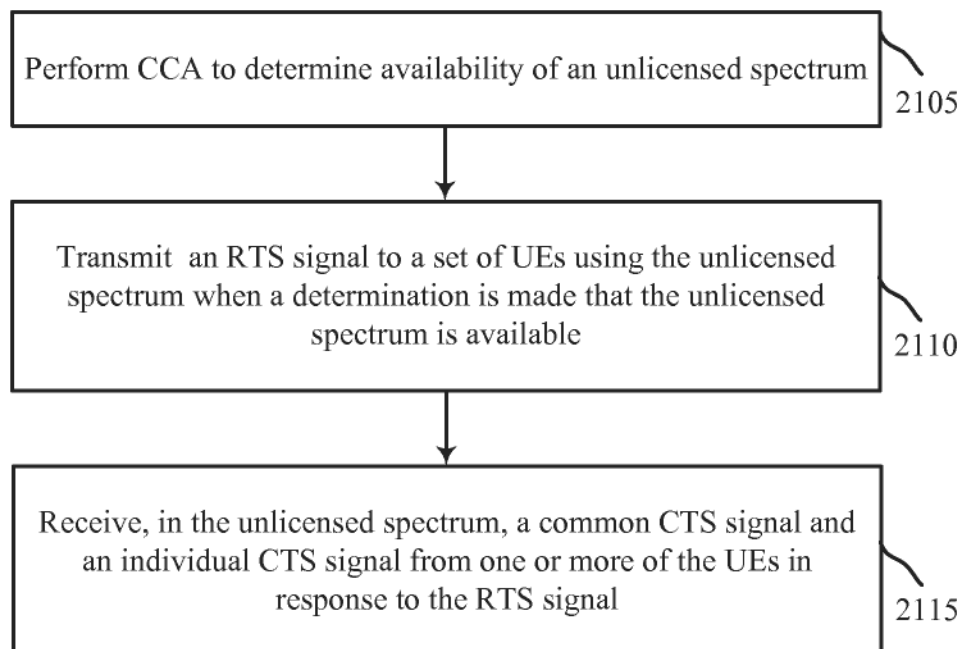
2100  
↪

FIG. 21

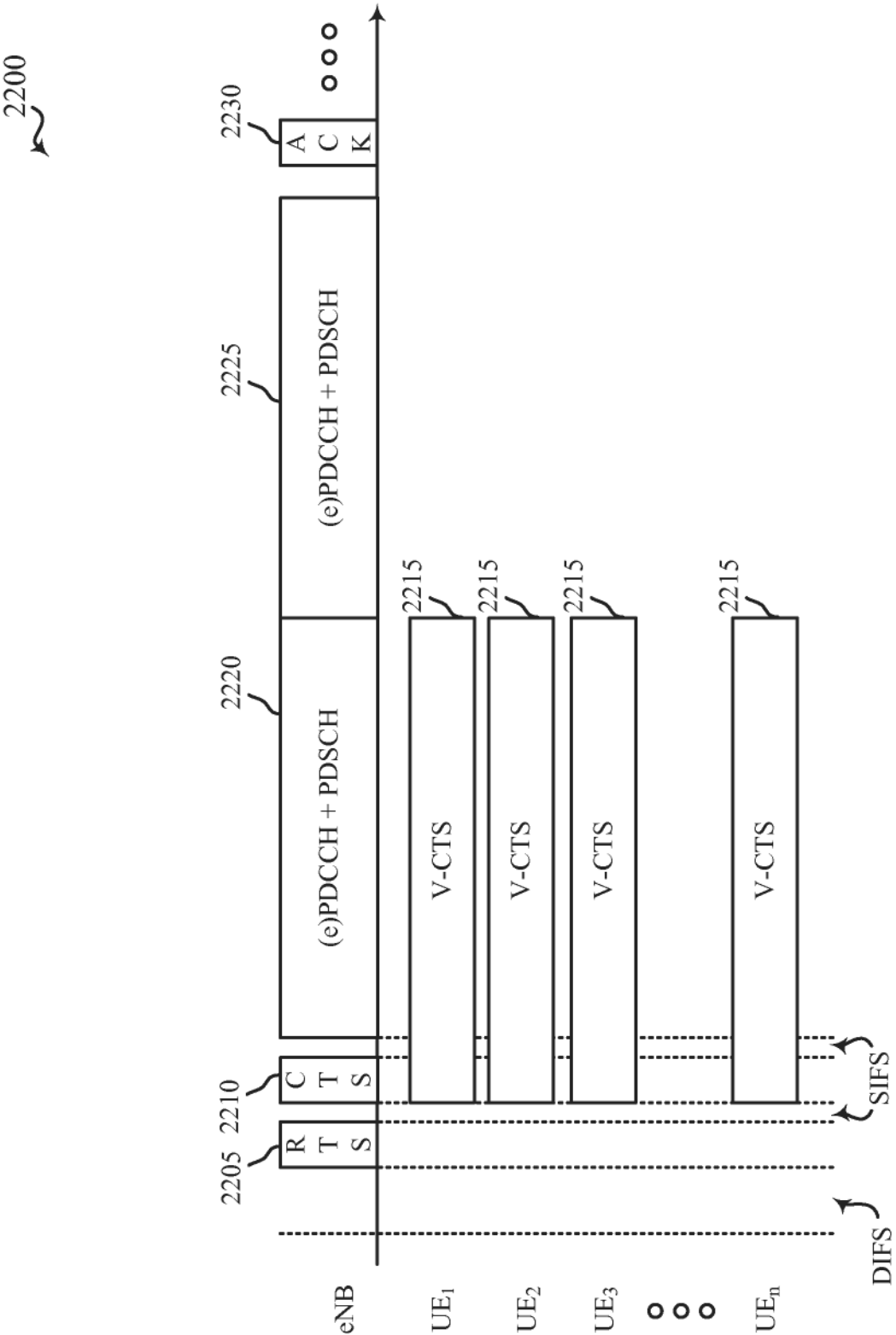


FIG. 22A

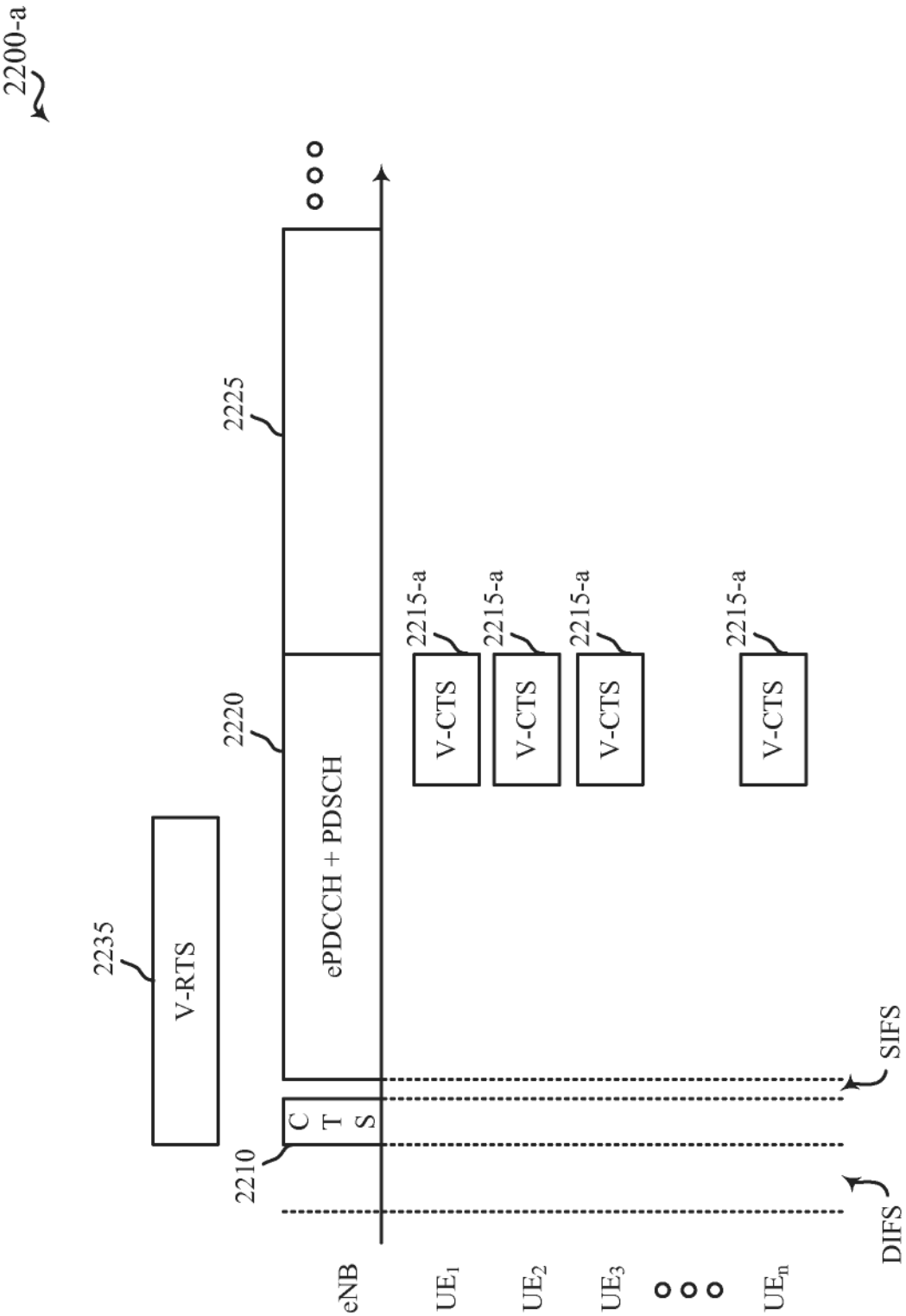


FIG. 22B

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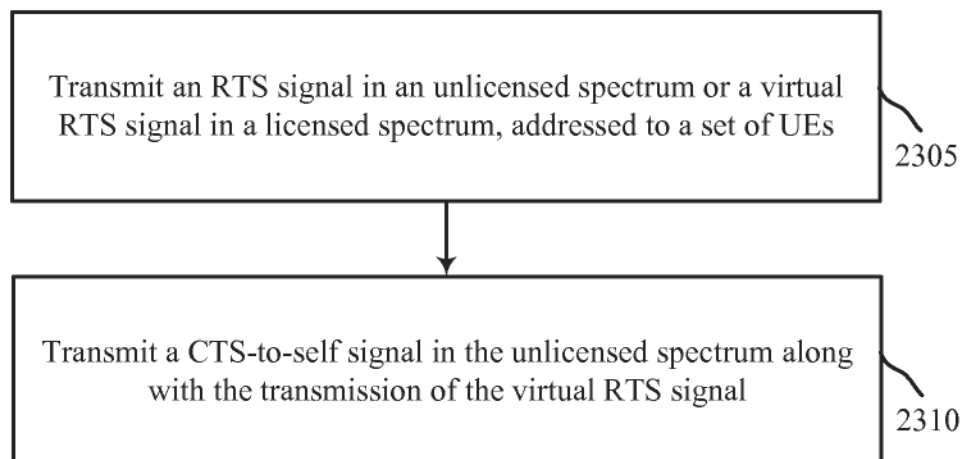
2300  
↪

FIG. 23

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2400

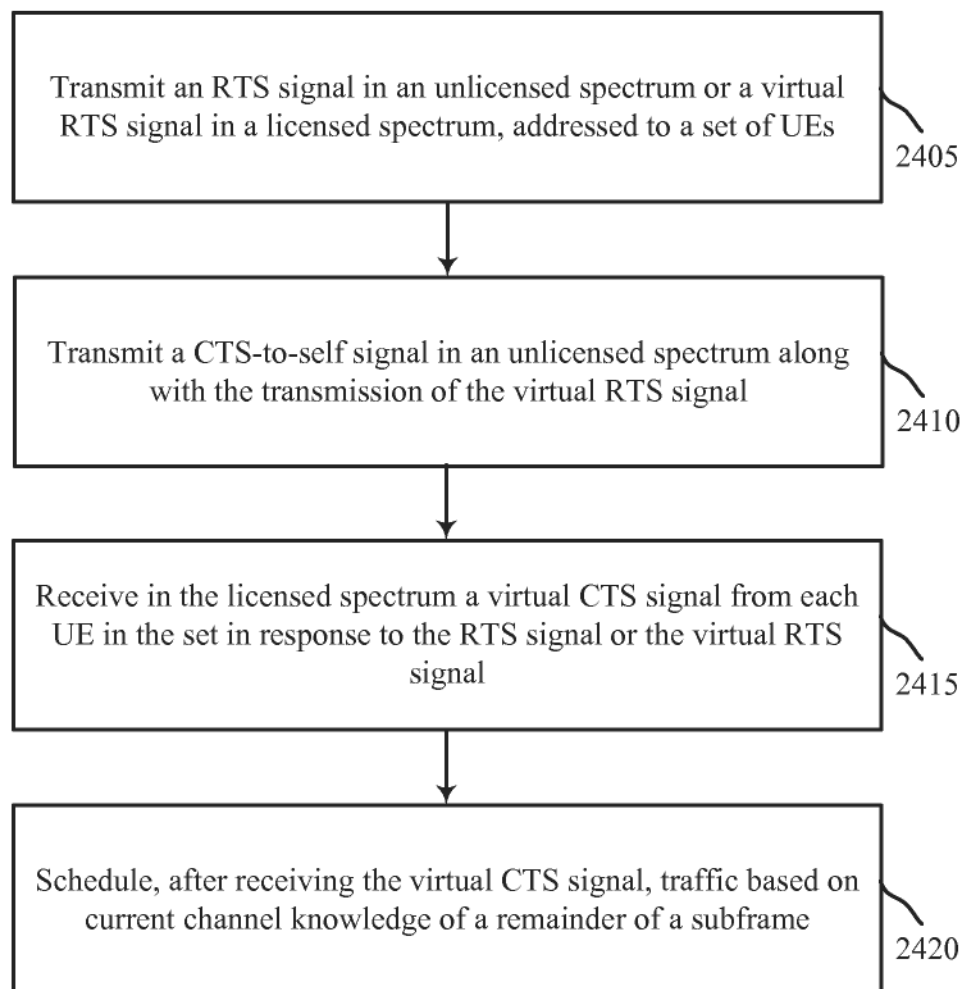


FIG. 24

2500

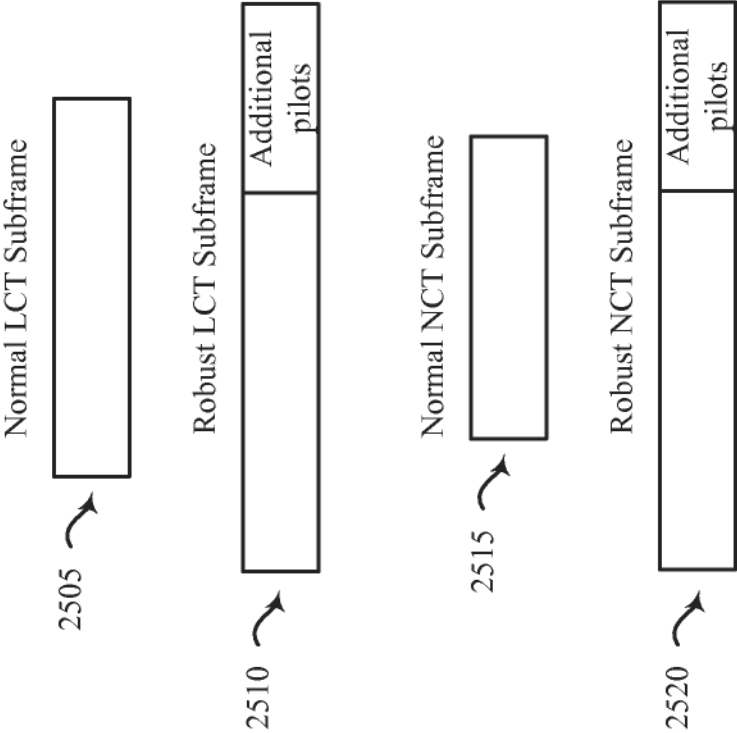


FIG. 25

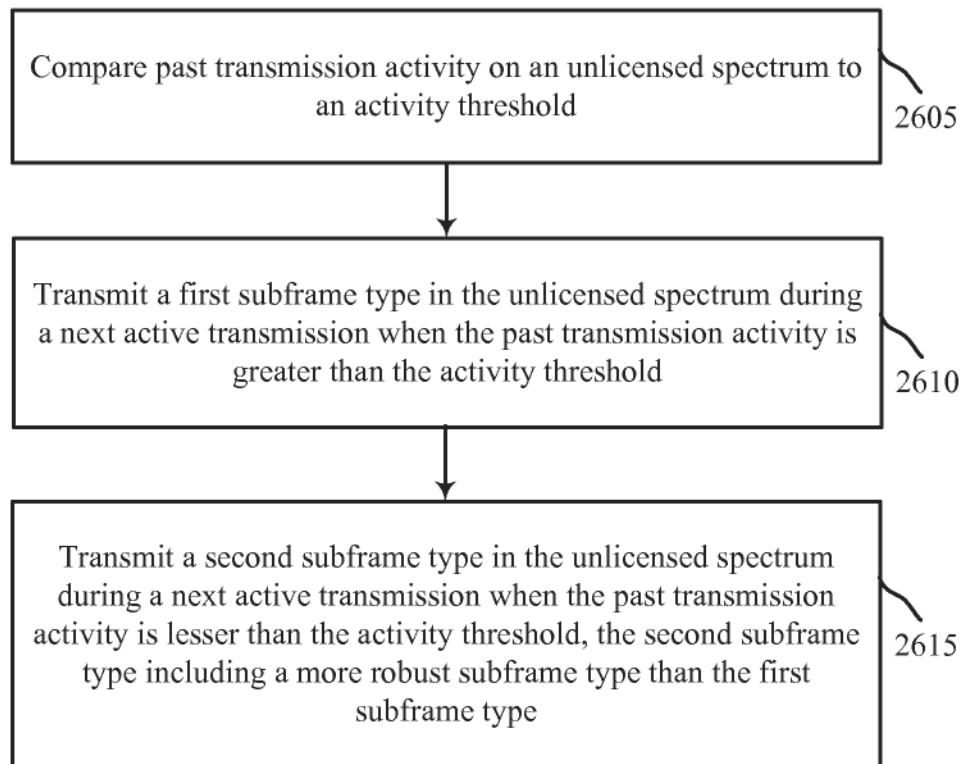


FIG. 26

2700

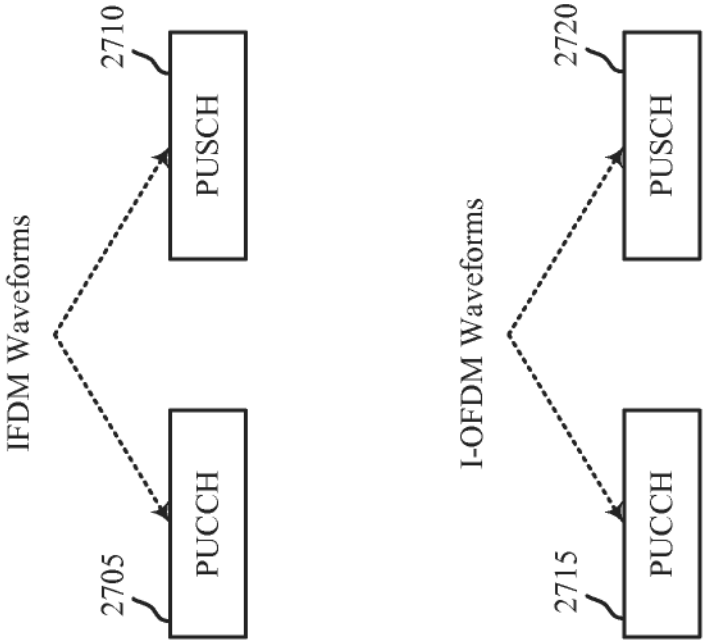


FIG. 27

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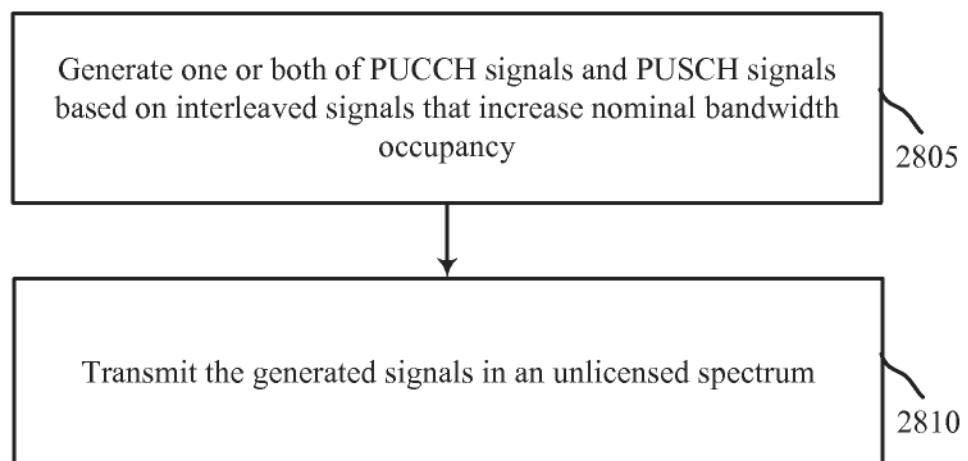
2800  
↪

FIG. 28

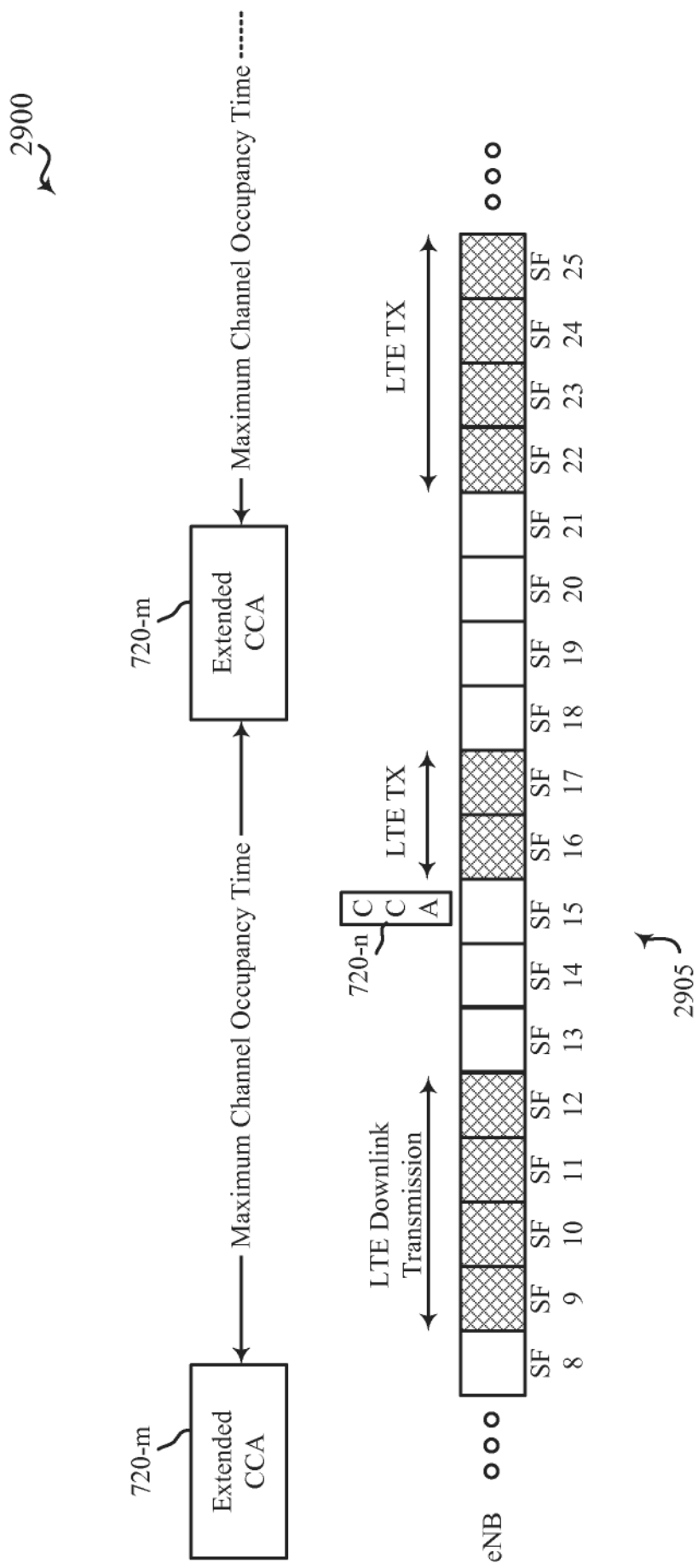


FIG. 29

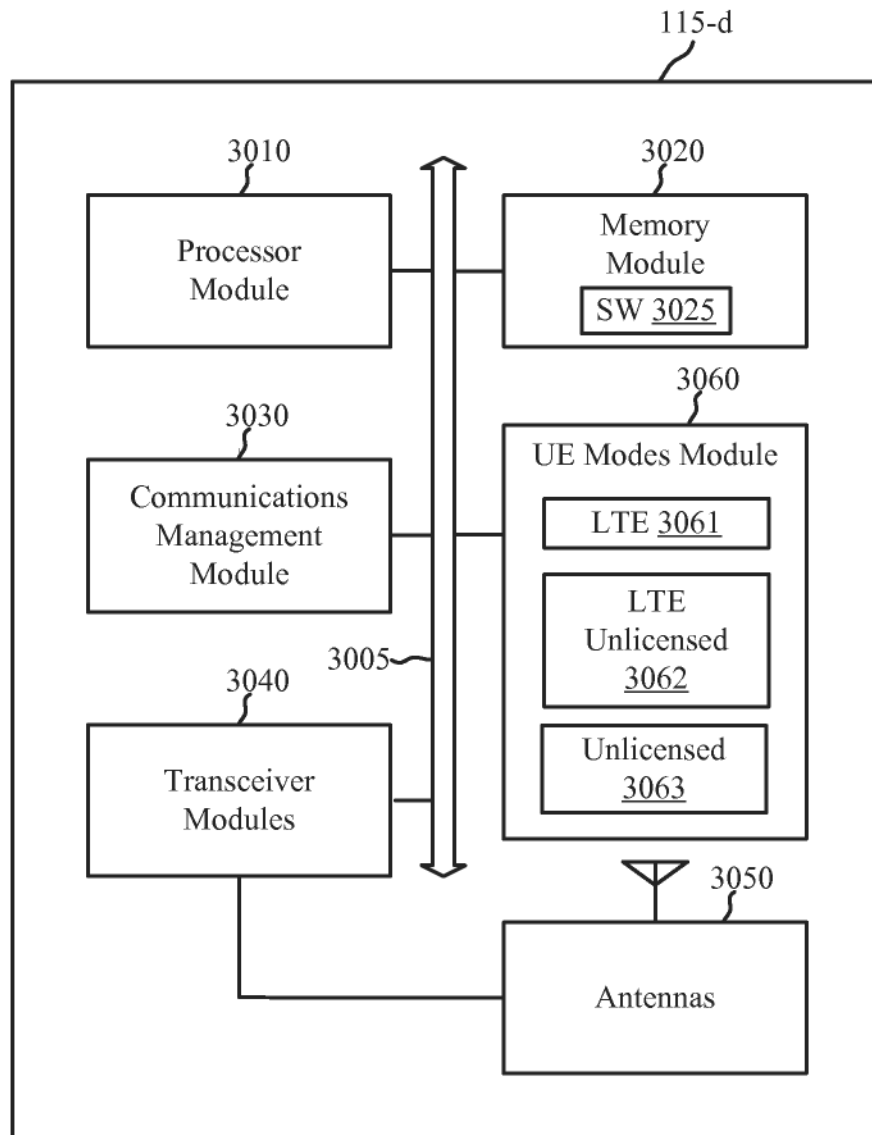


FIG. 30

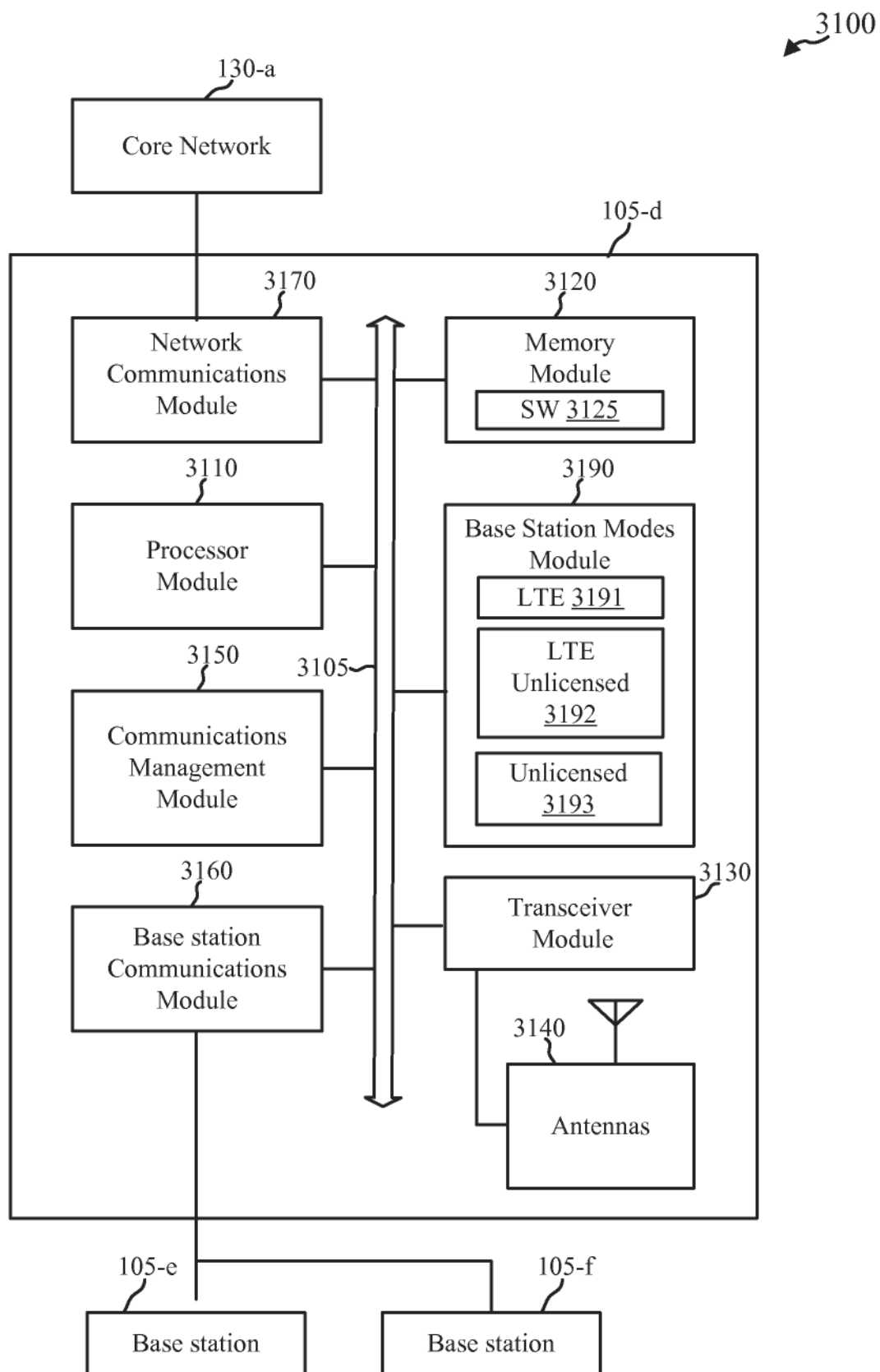


FIG. 31

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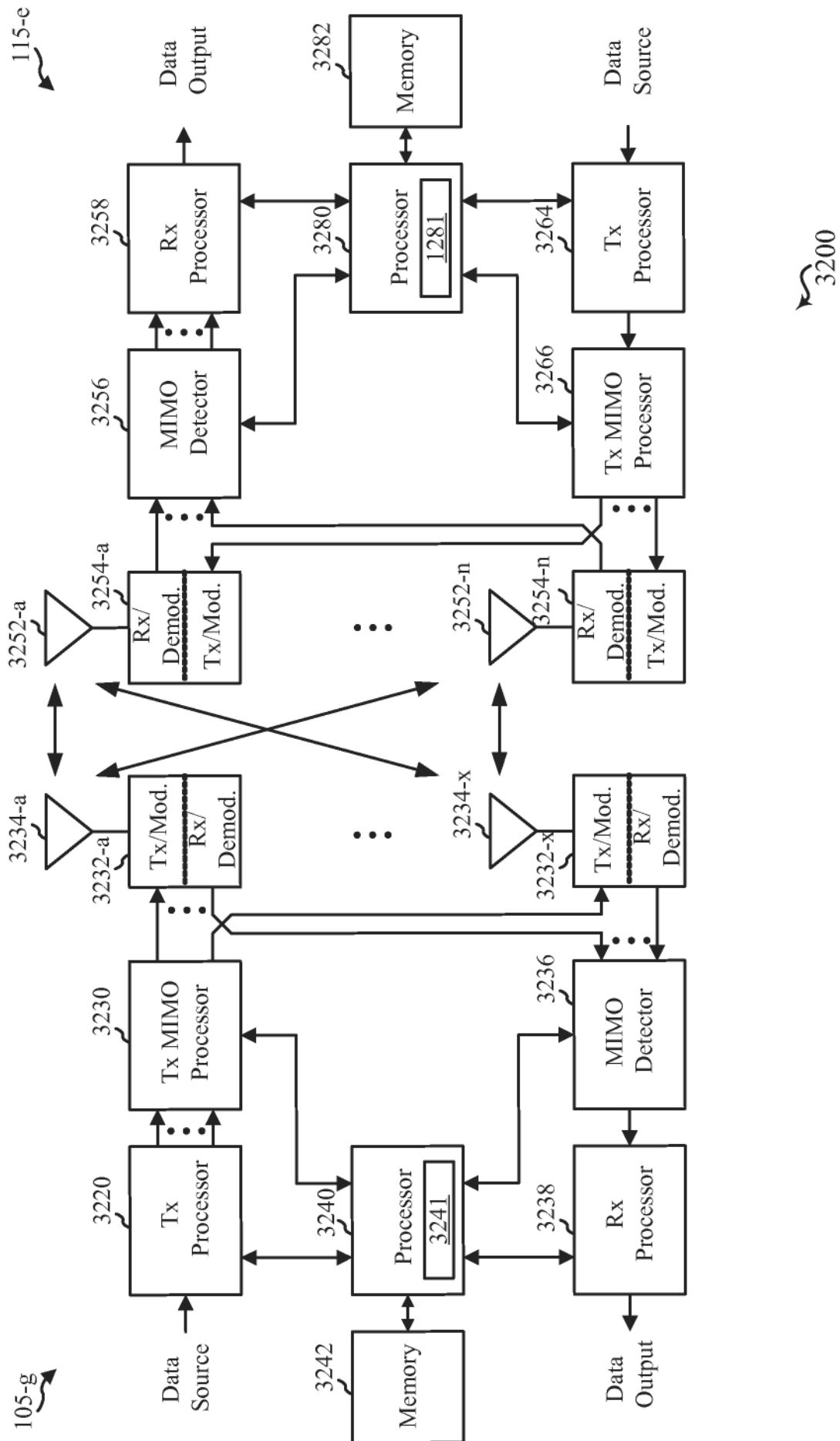


FIG. 32