

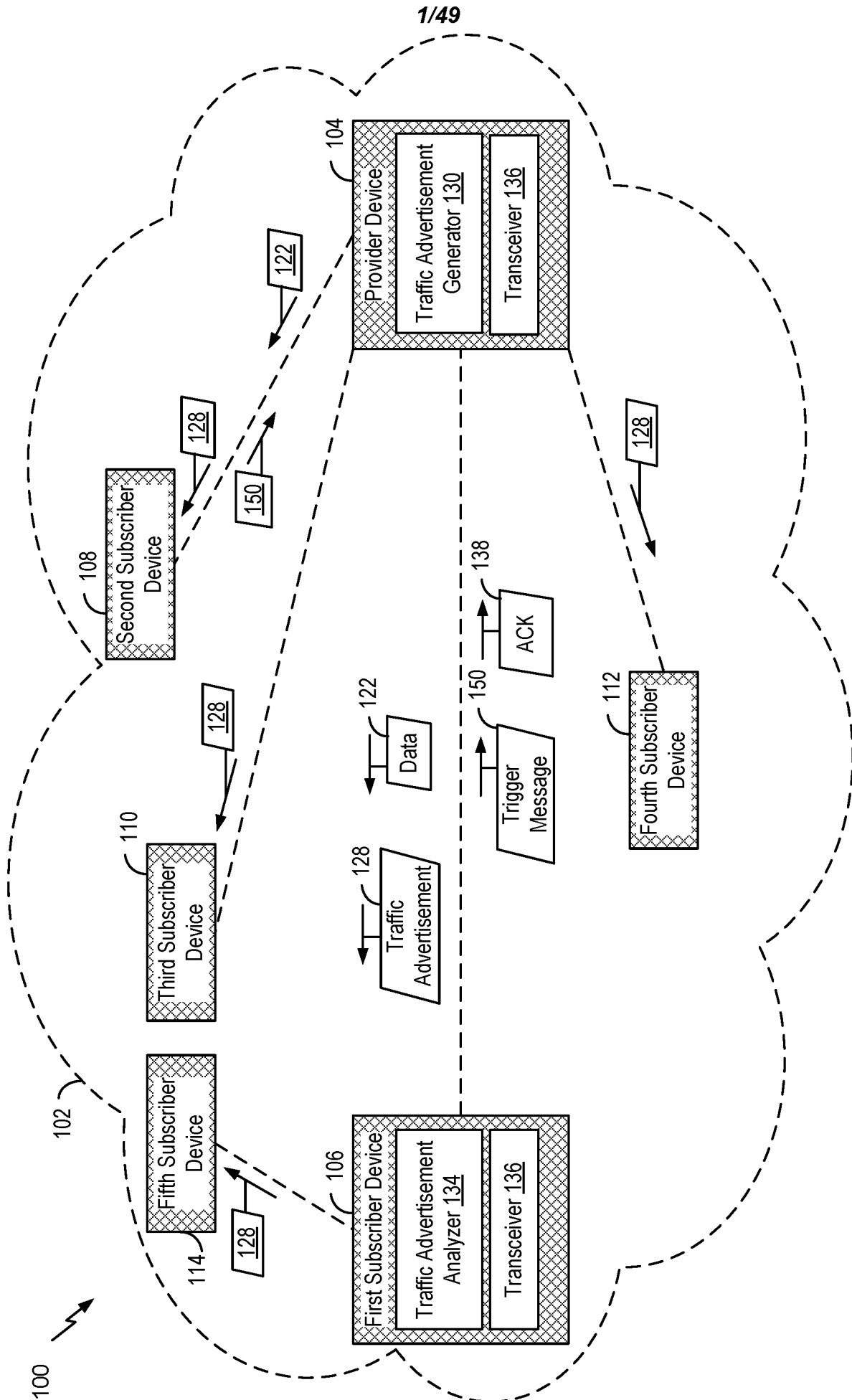


FIG. 1

200

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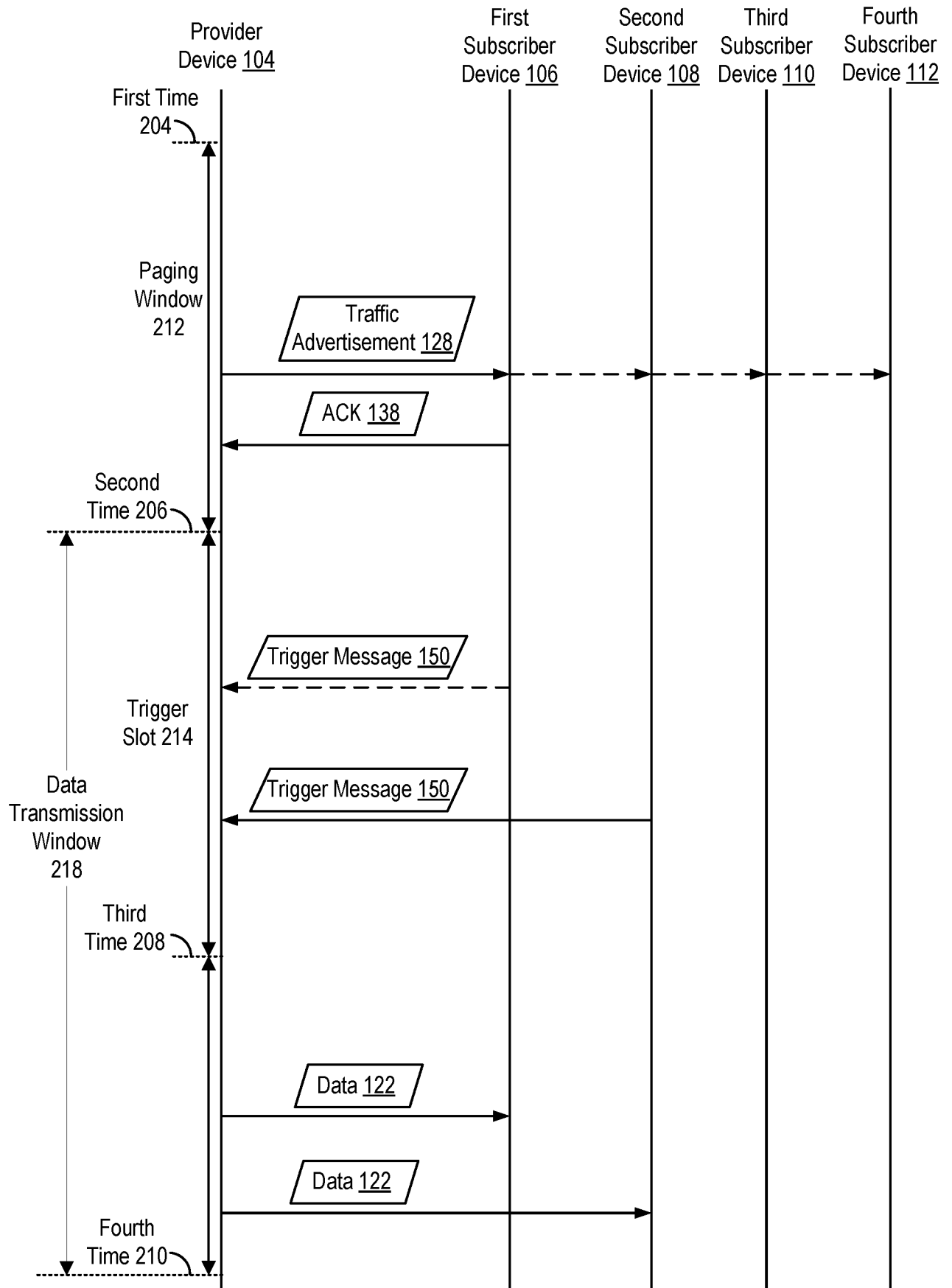


FIG. 2

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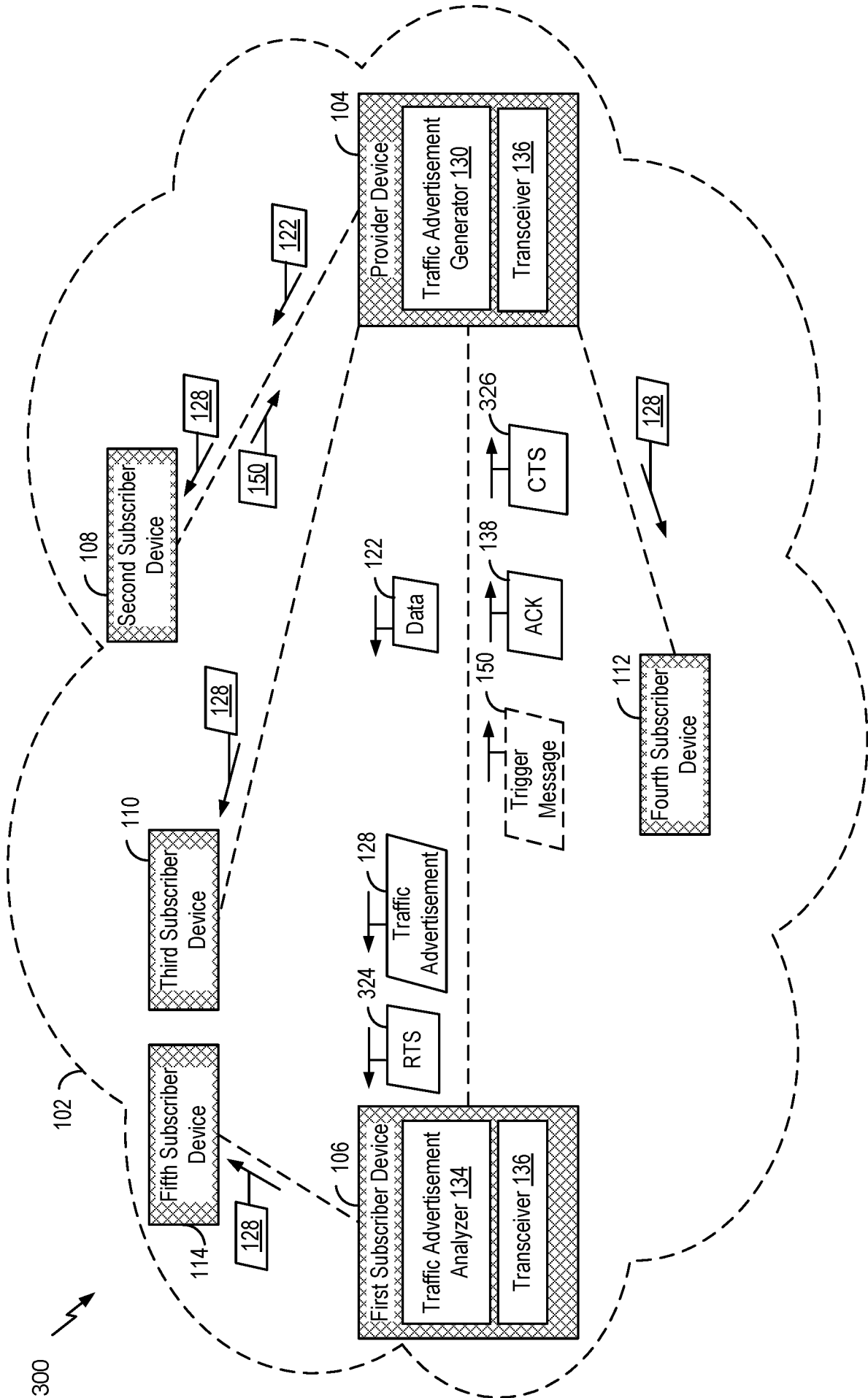


FIG. 3

400

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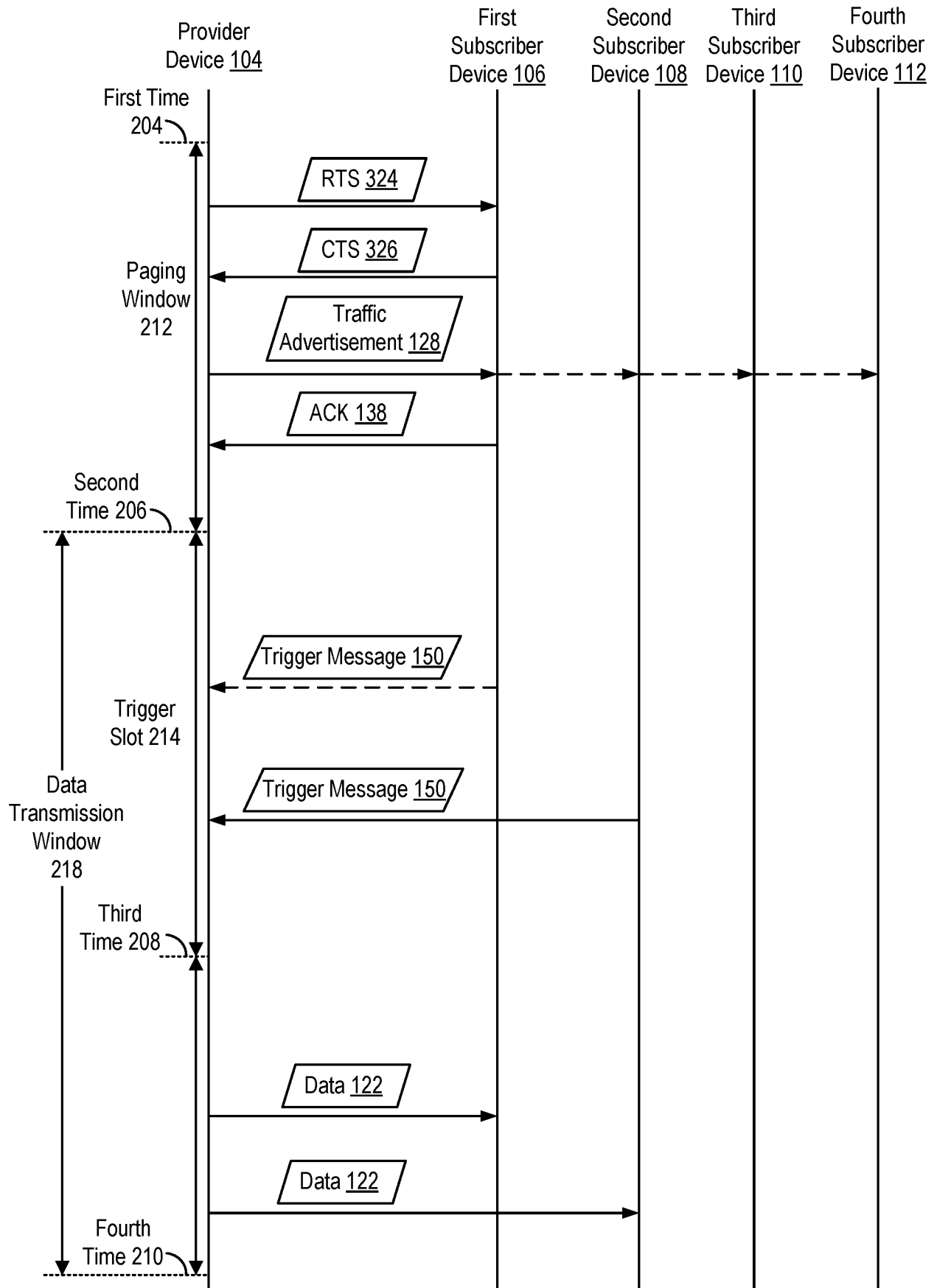


FIG. 4

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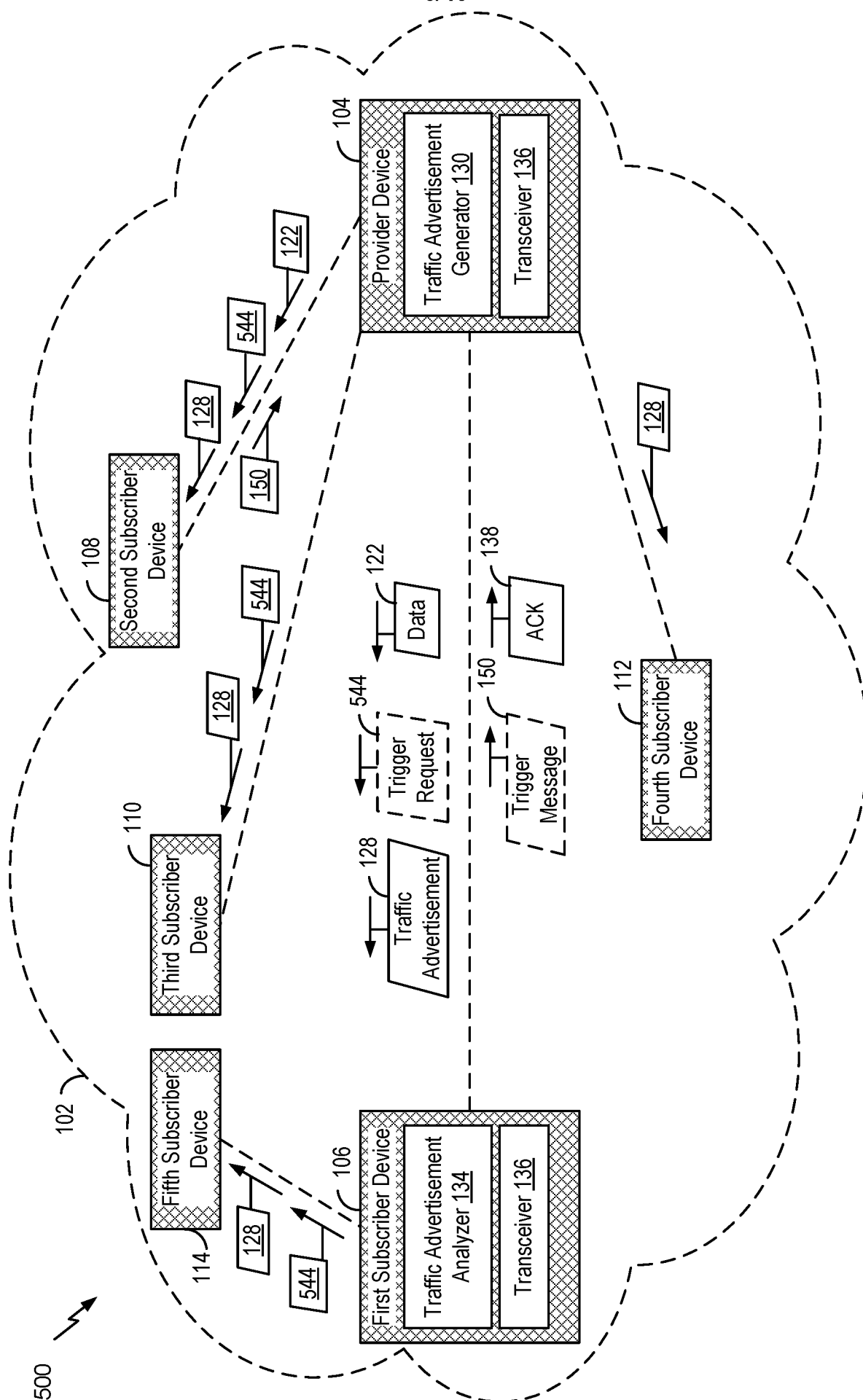


FIG. 5

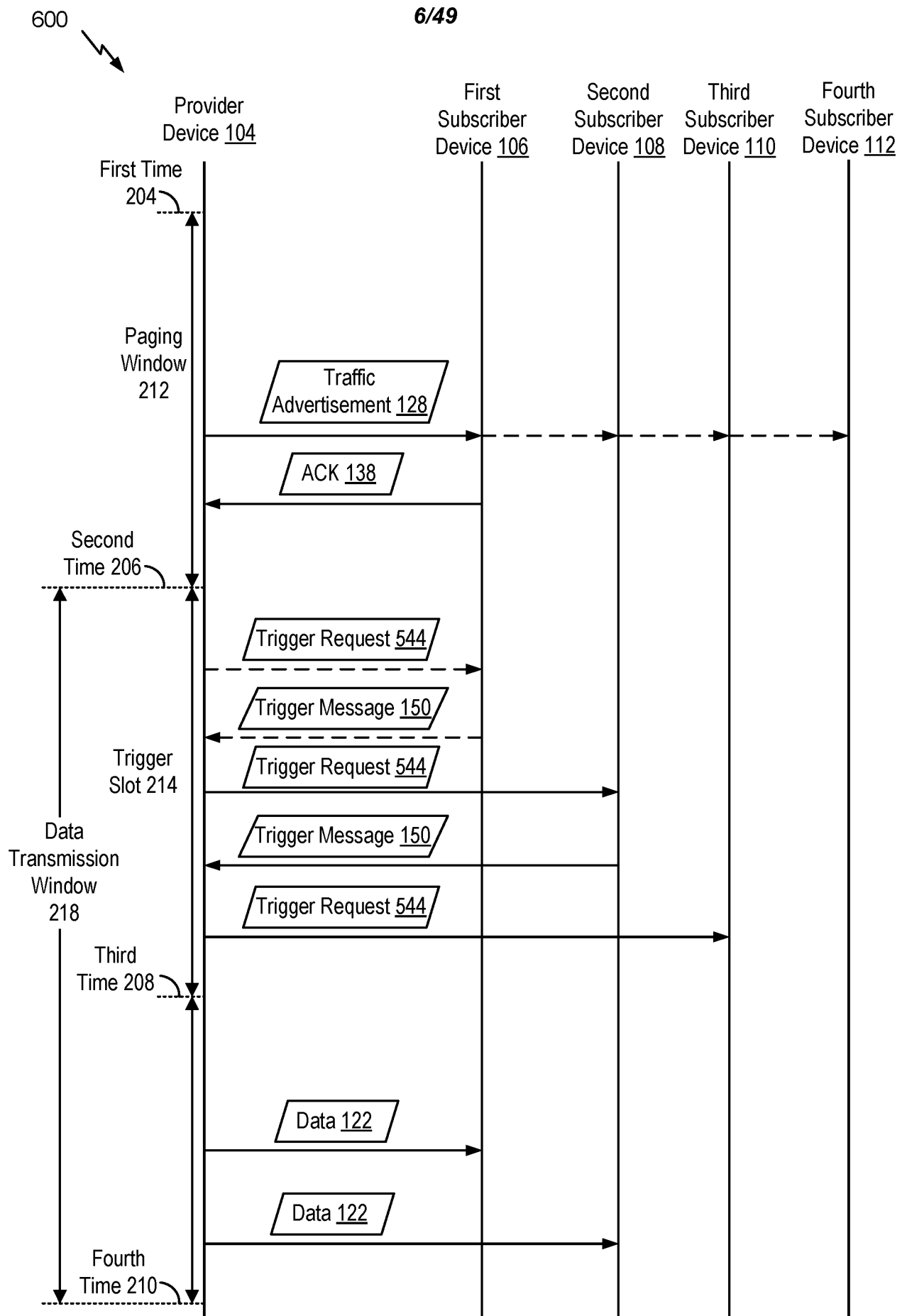
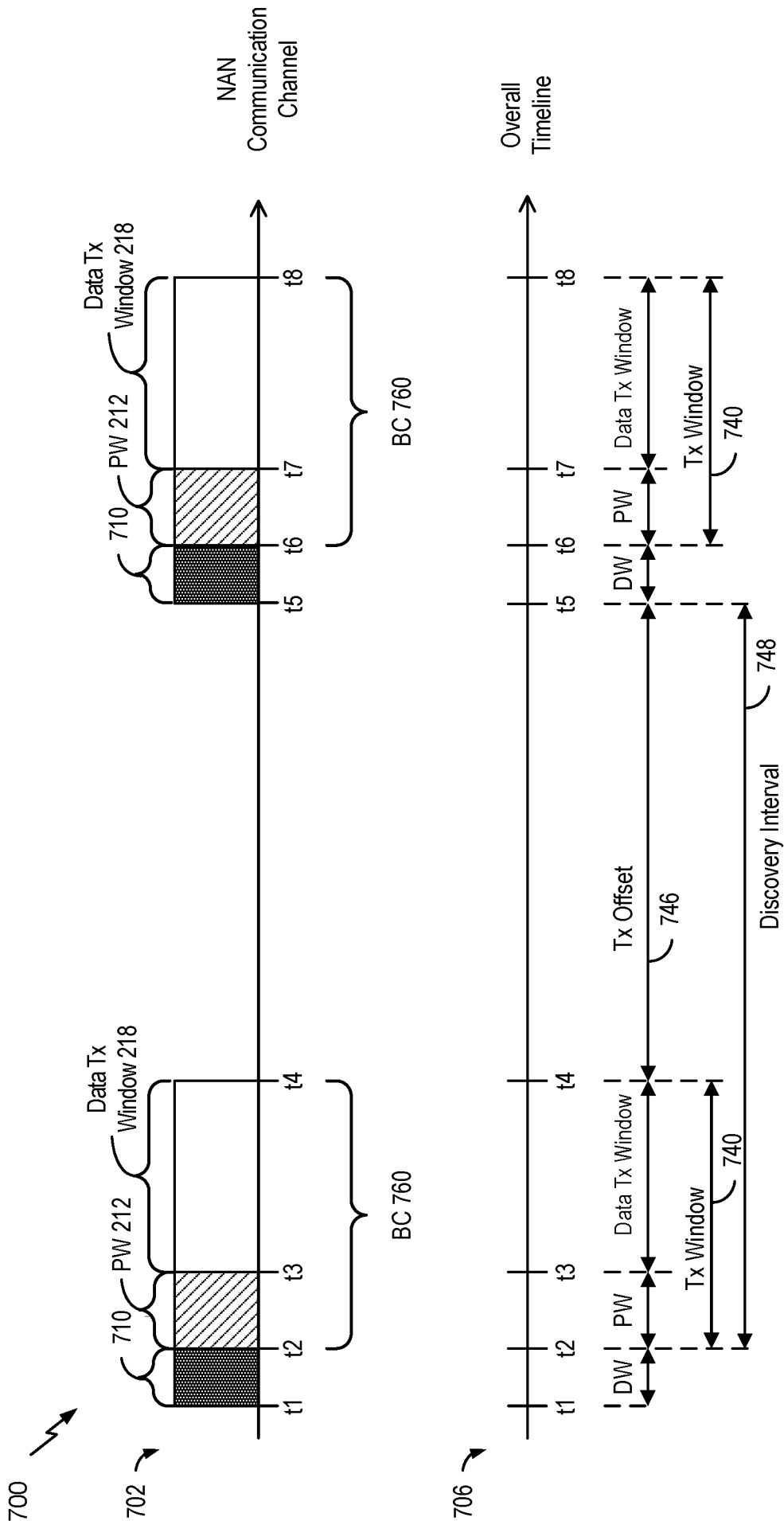


FIG. 6



LEGEND

DW = Discovery Window PW = Paging Window Tx Window = Transmission Window BC = Basic Channel

FIG. 7

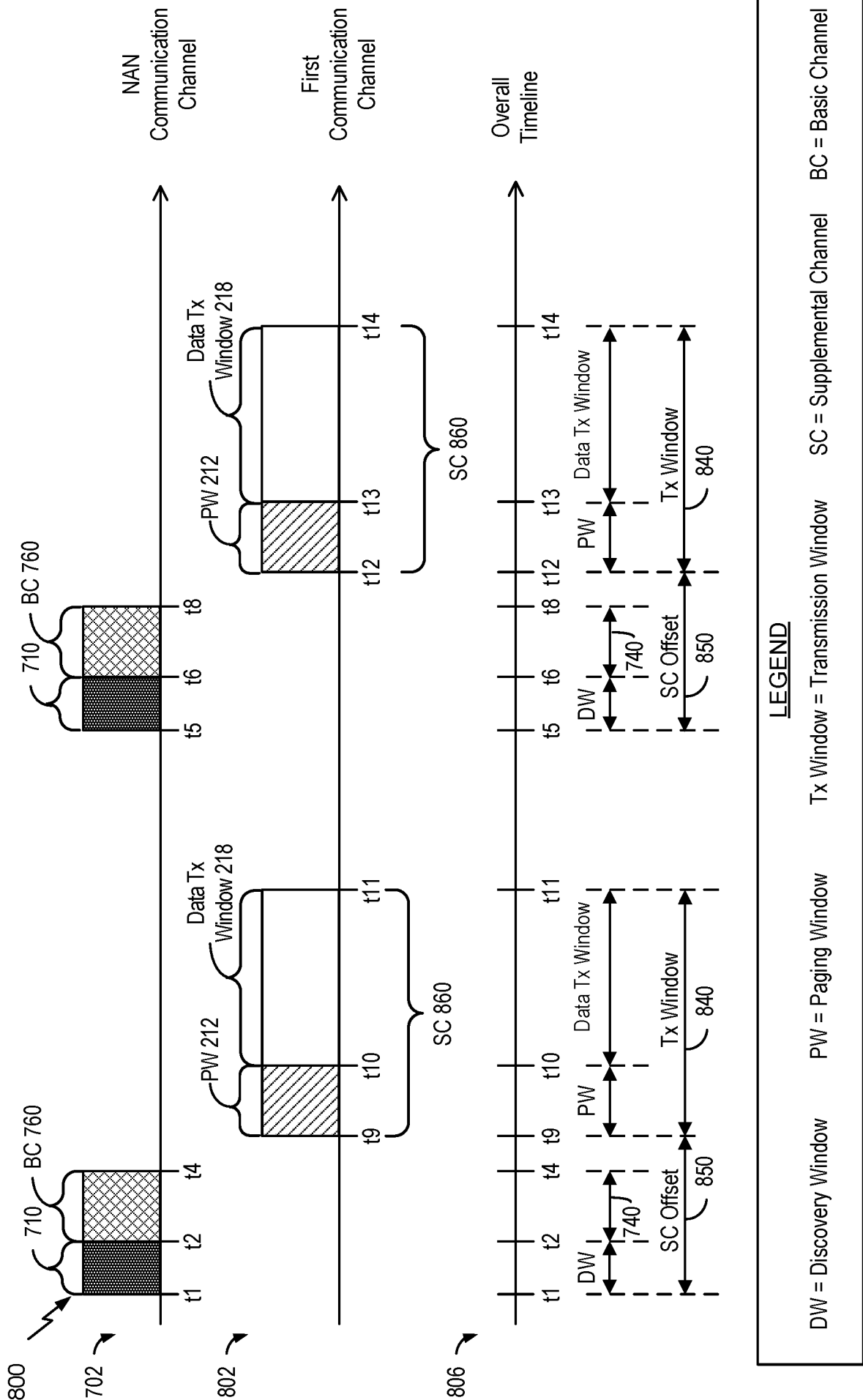


FIG. 8

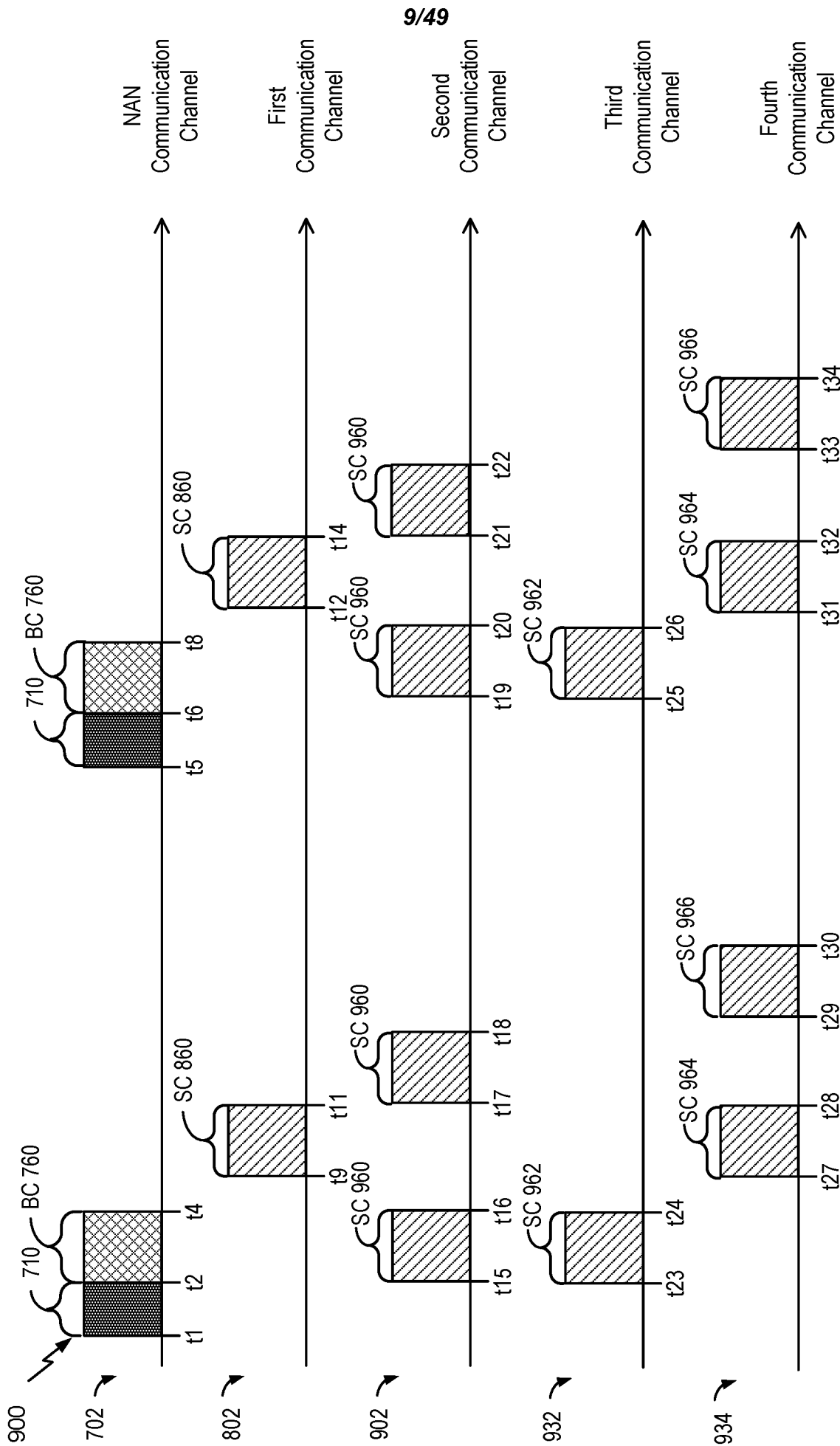


FIG. 9

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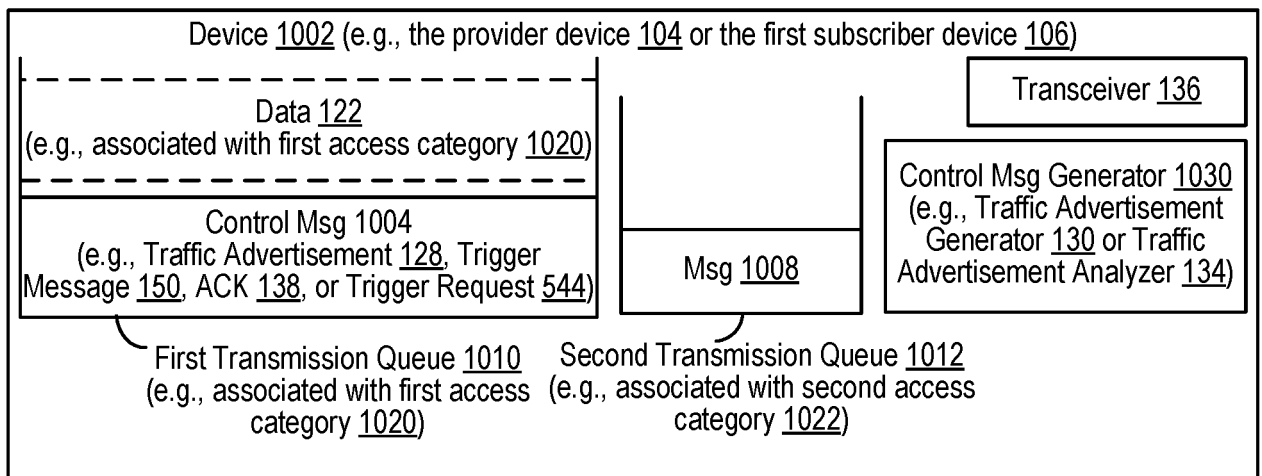


FIG. 10A

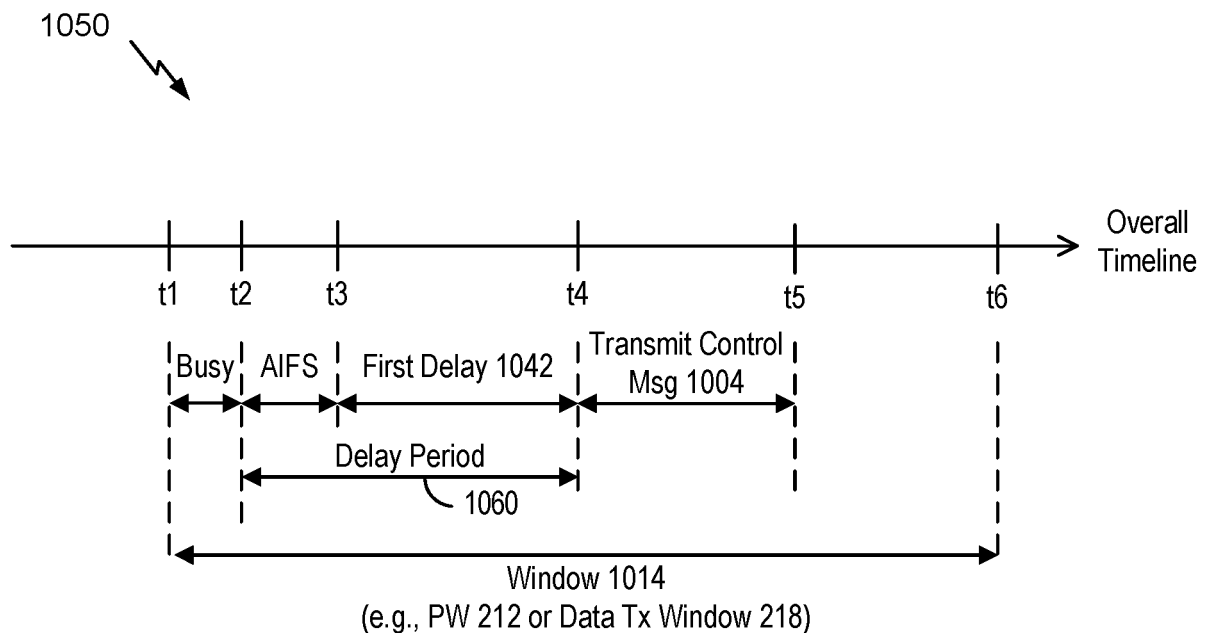


FIG. 10B

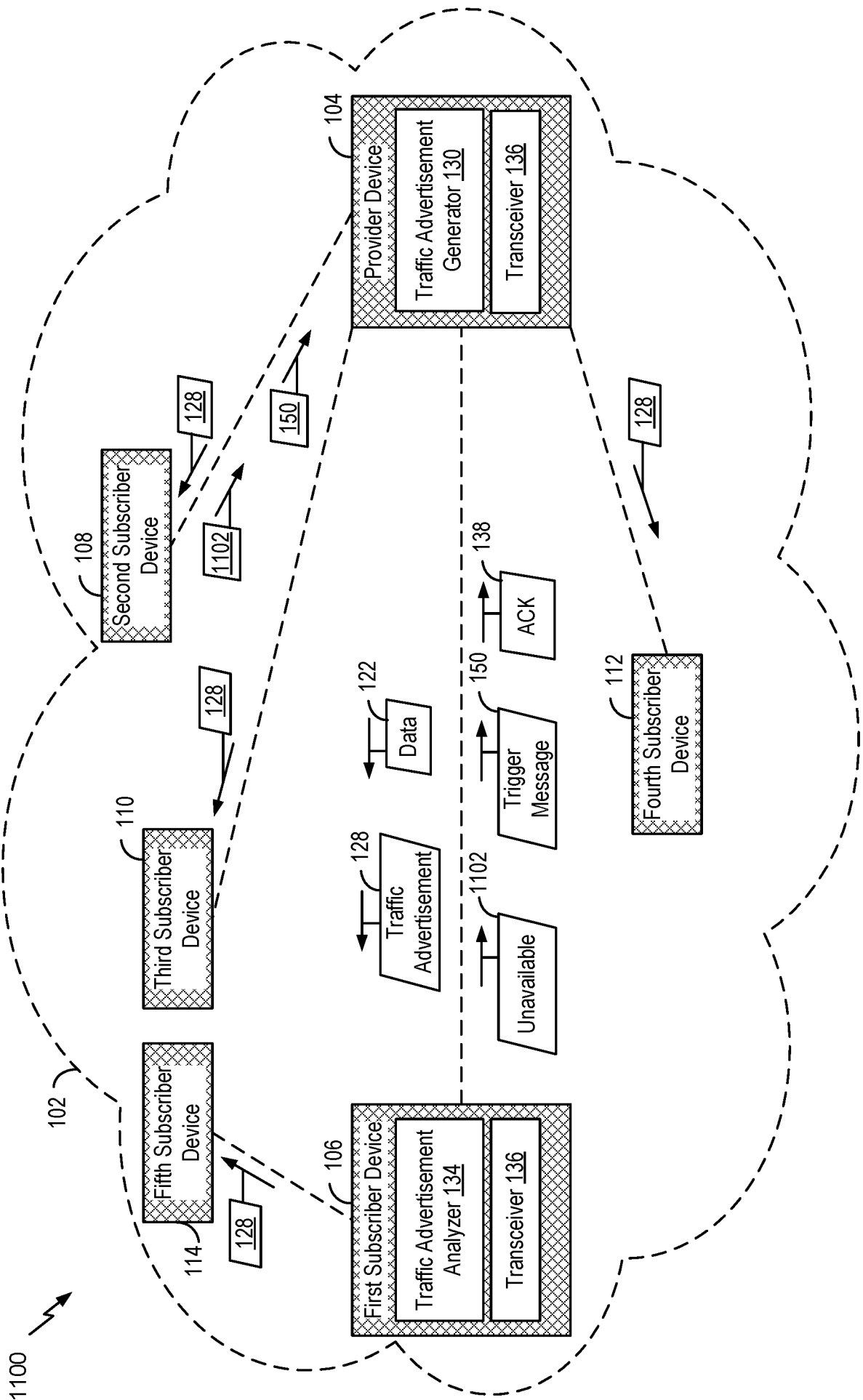


FIG. 11

1200

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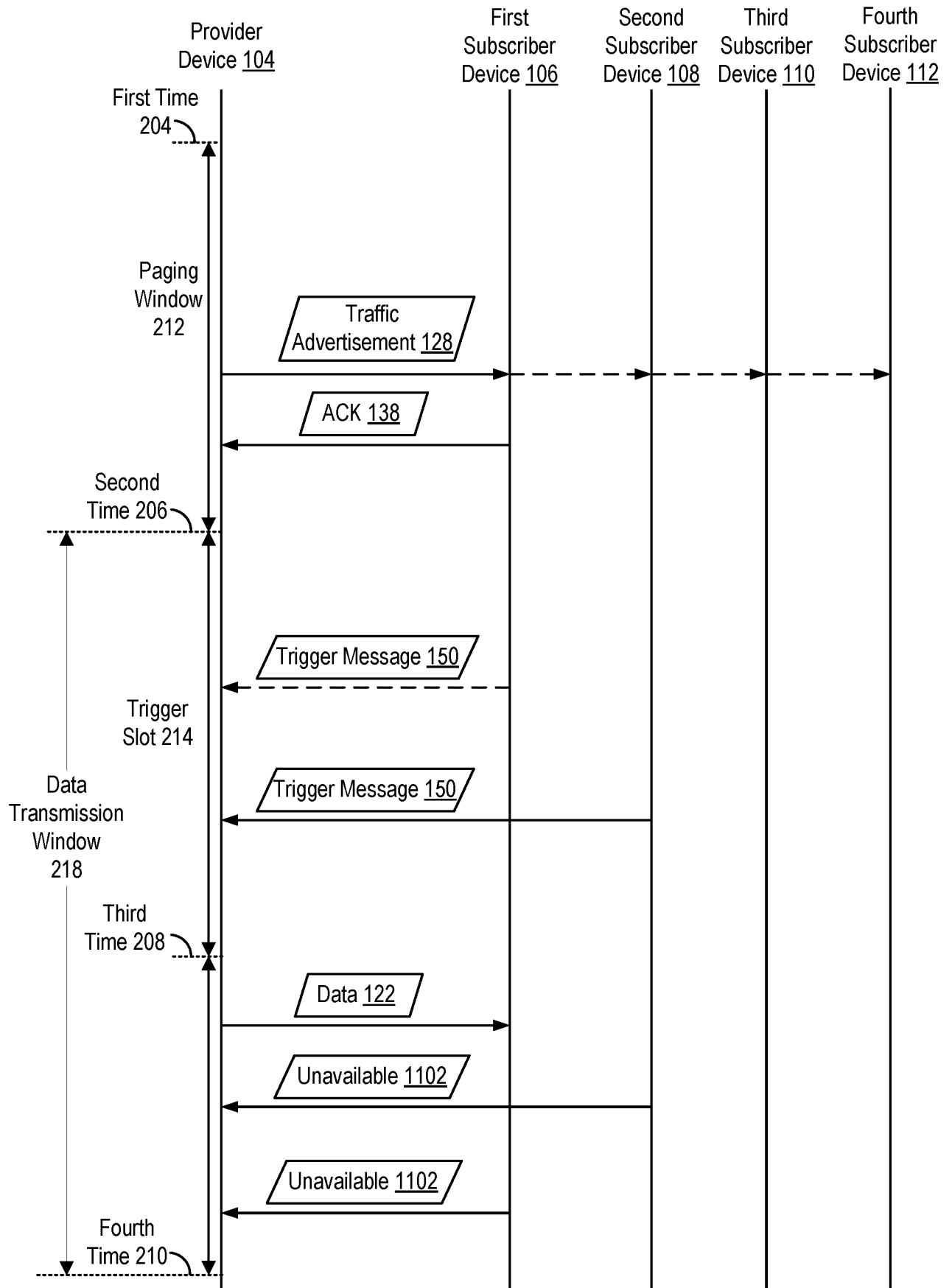
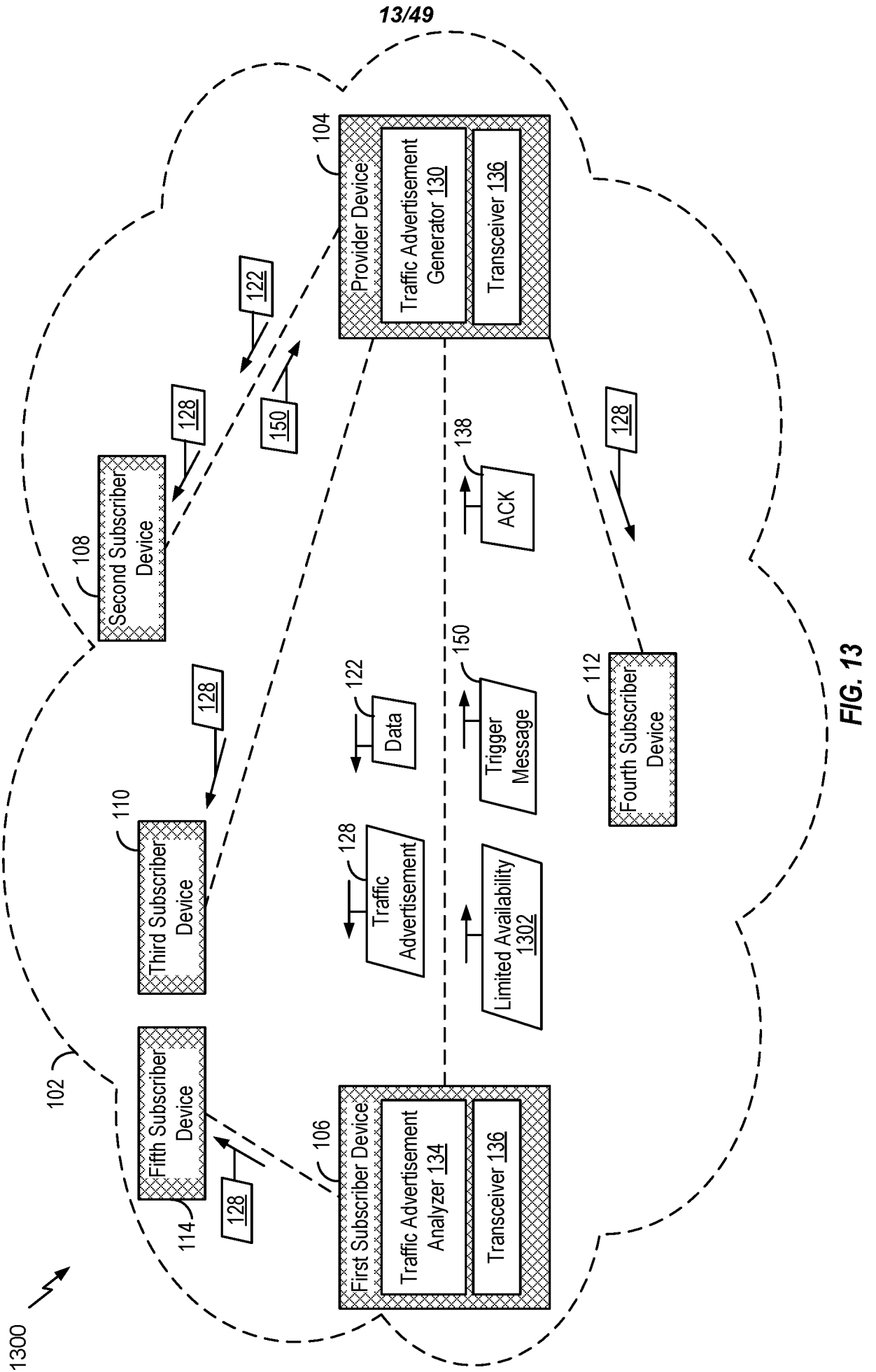


FIG. 12



1400

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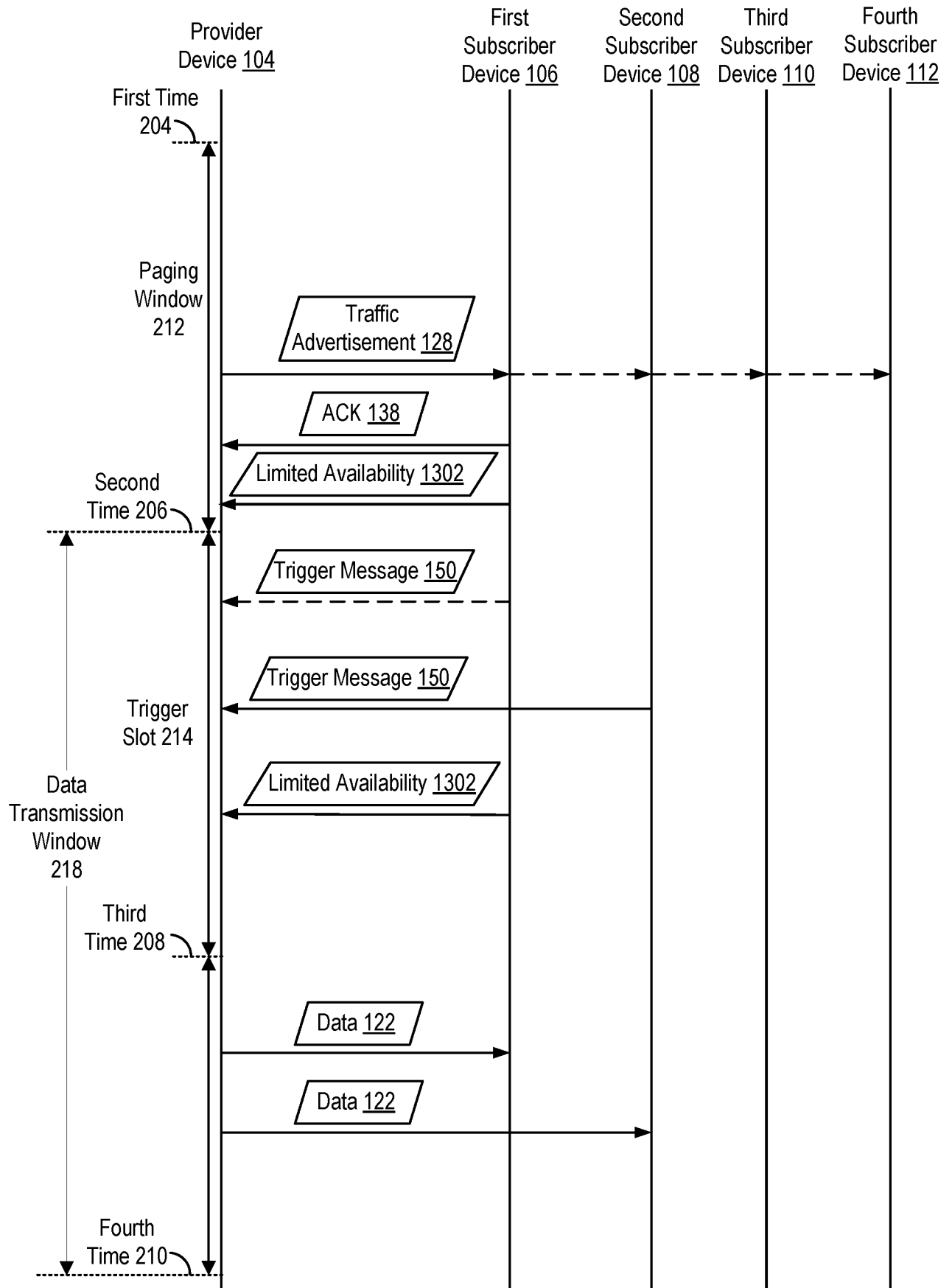


FIG. 14

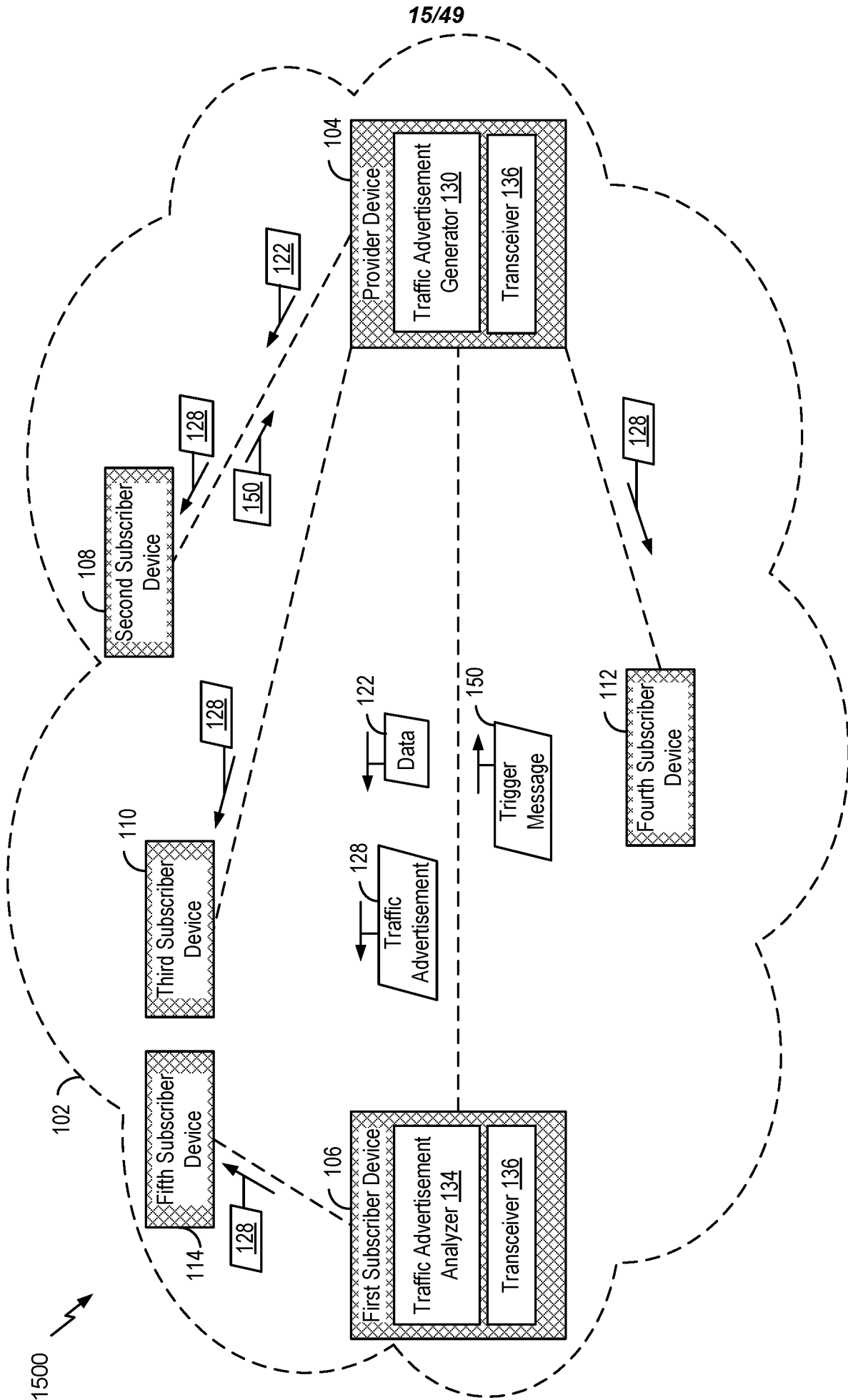


FIG. 15

1600

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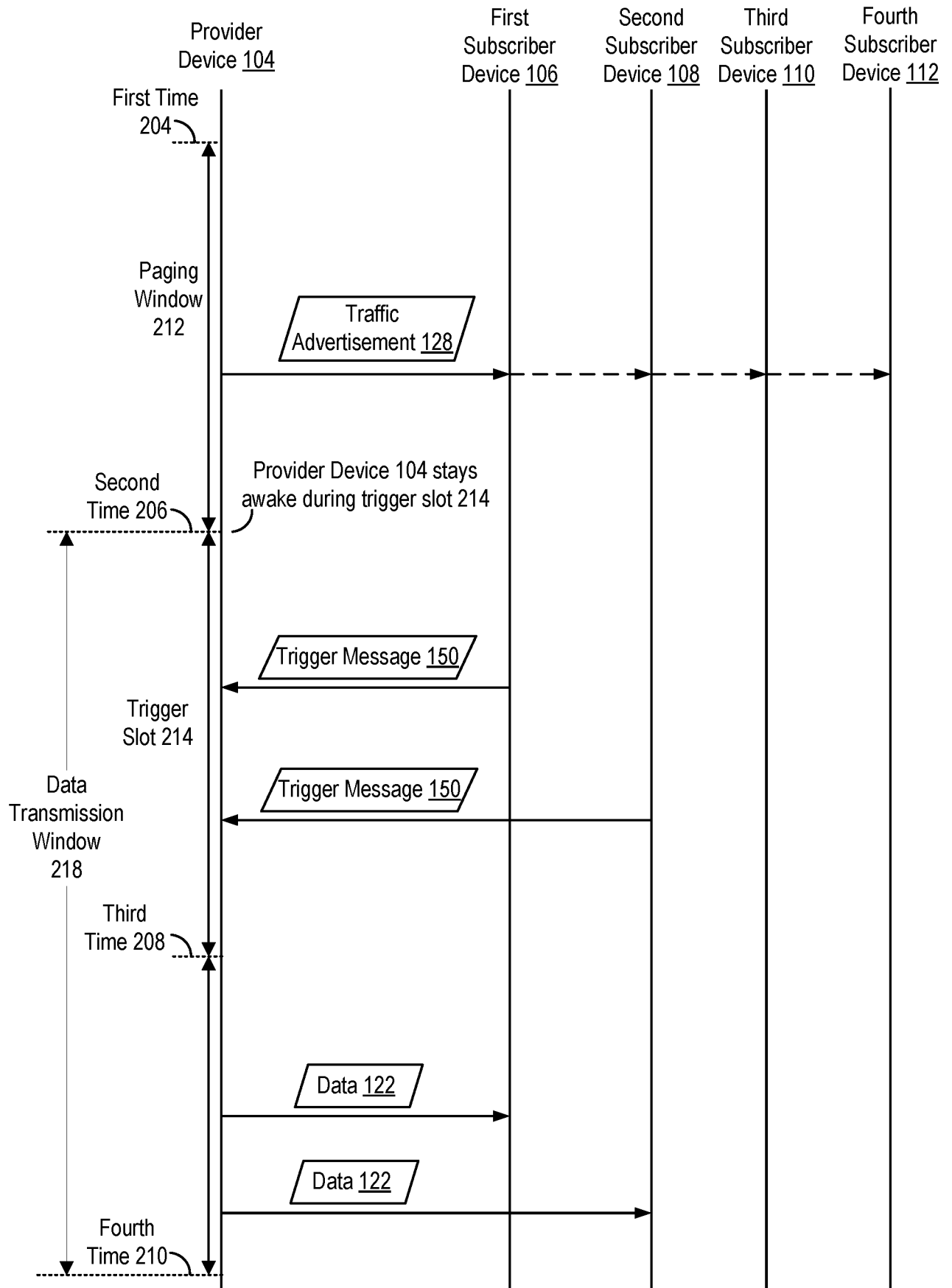


FIG. 16

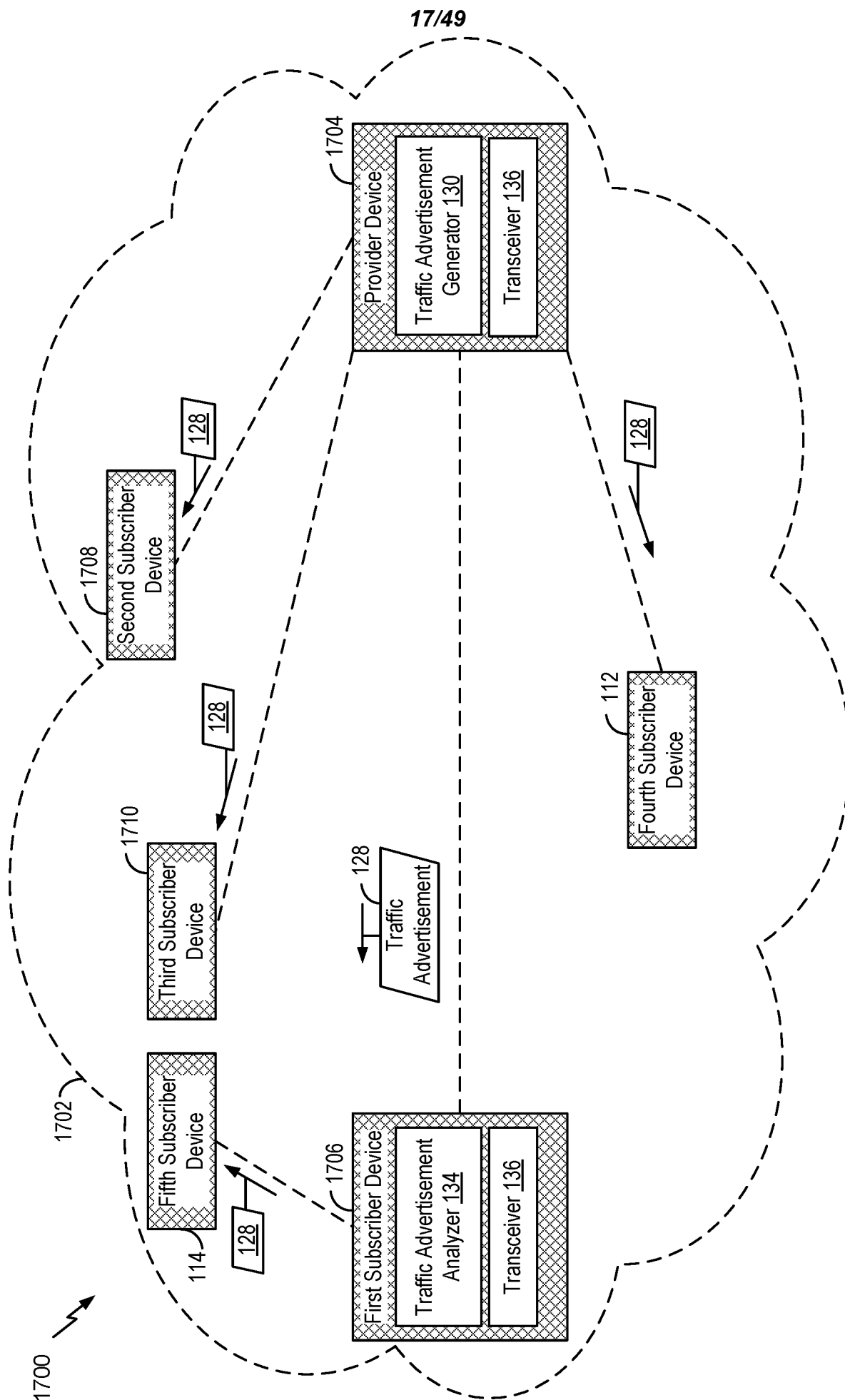


FIG. 17

1800

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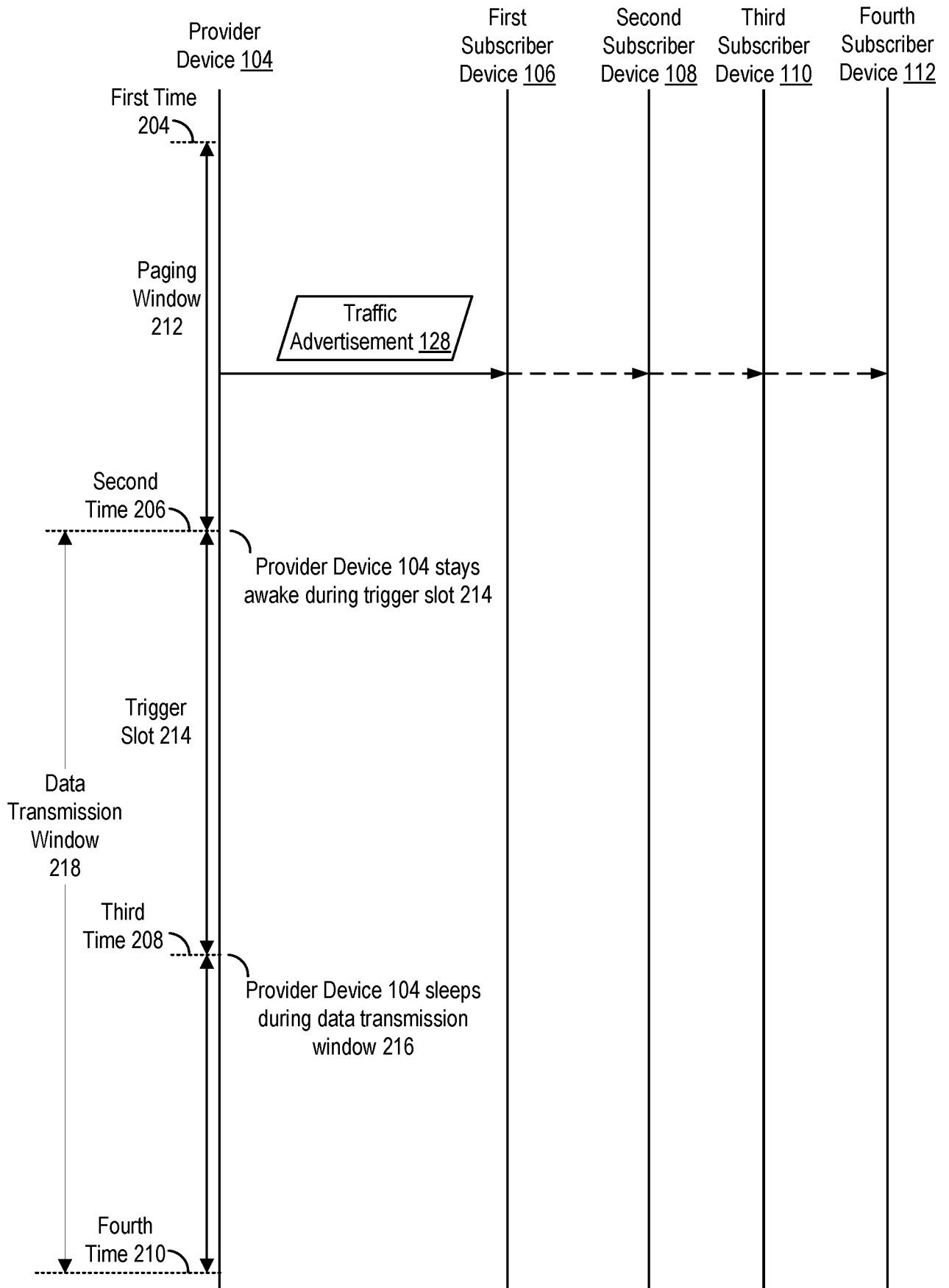


FIG. 18

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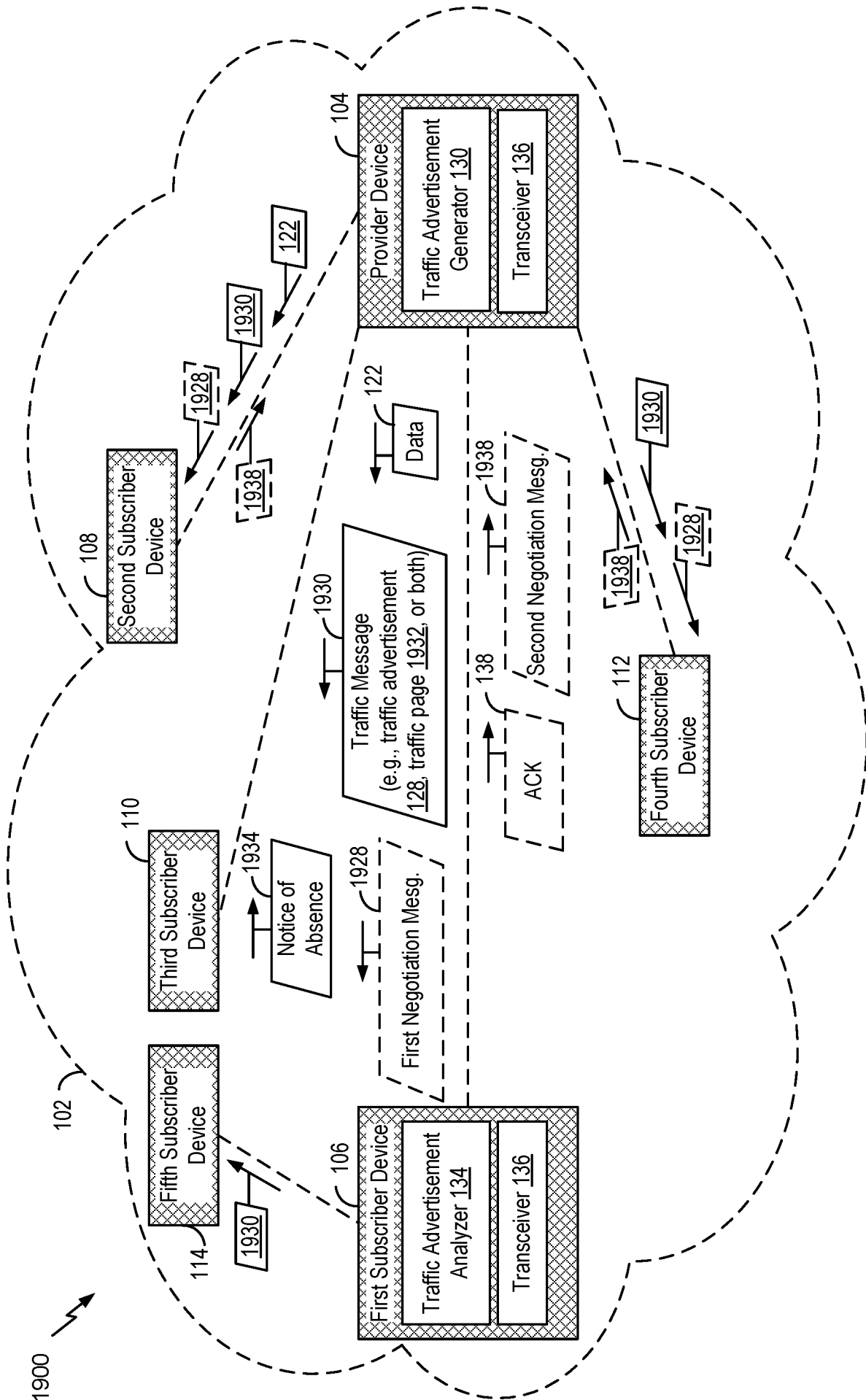


FIG. 19

2000

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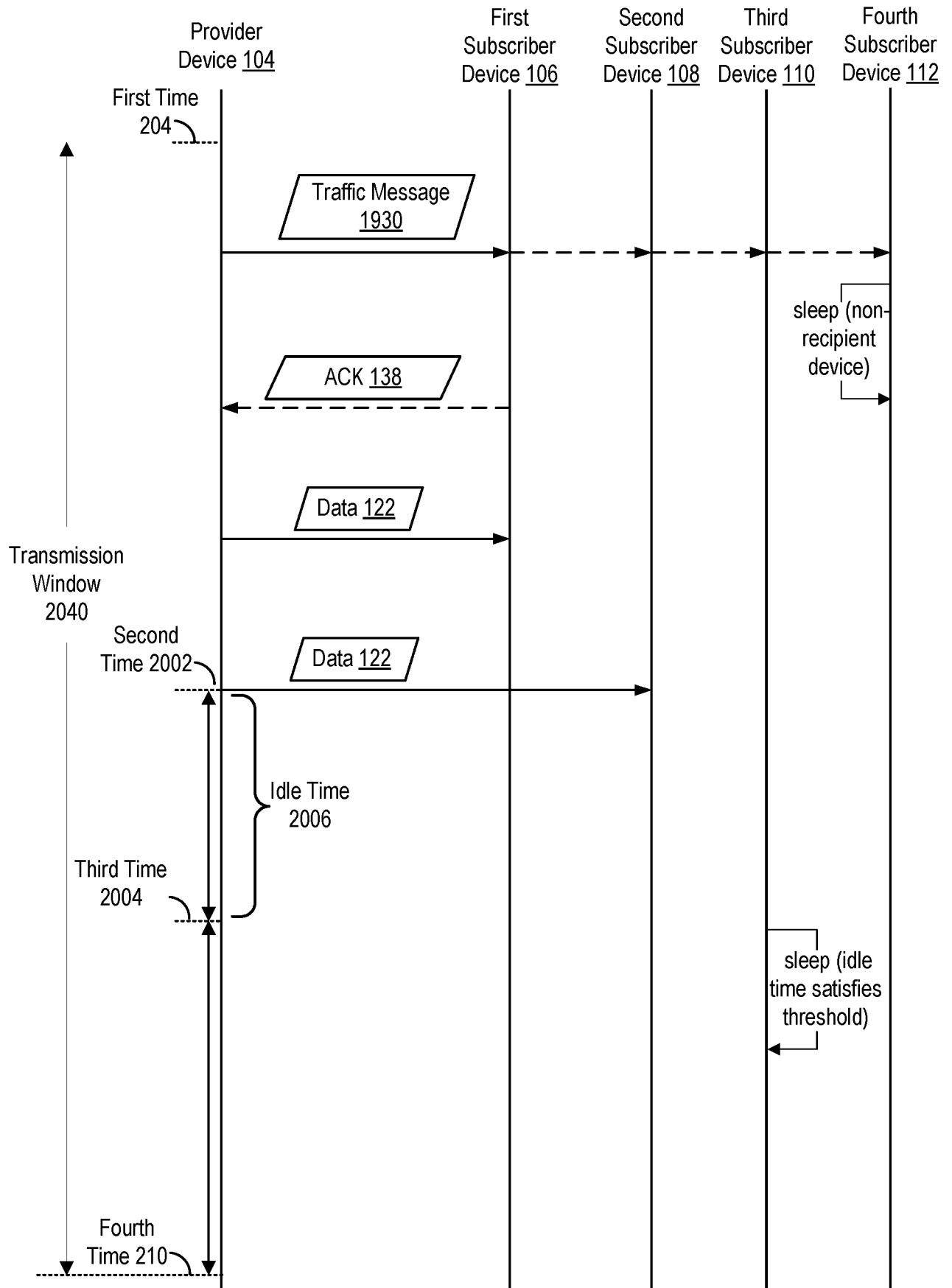


FIG. 20

2100 ↗

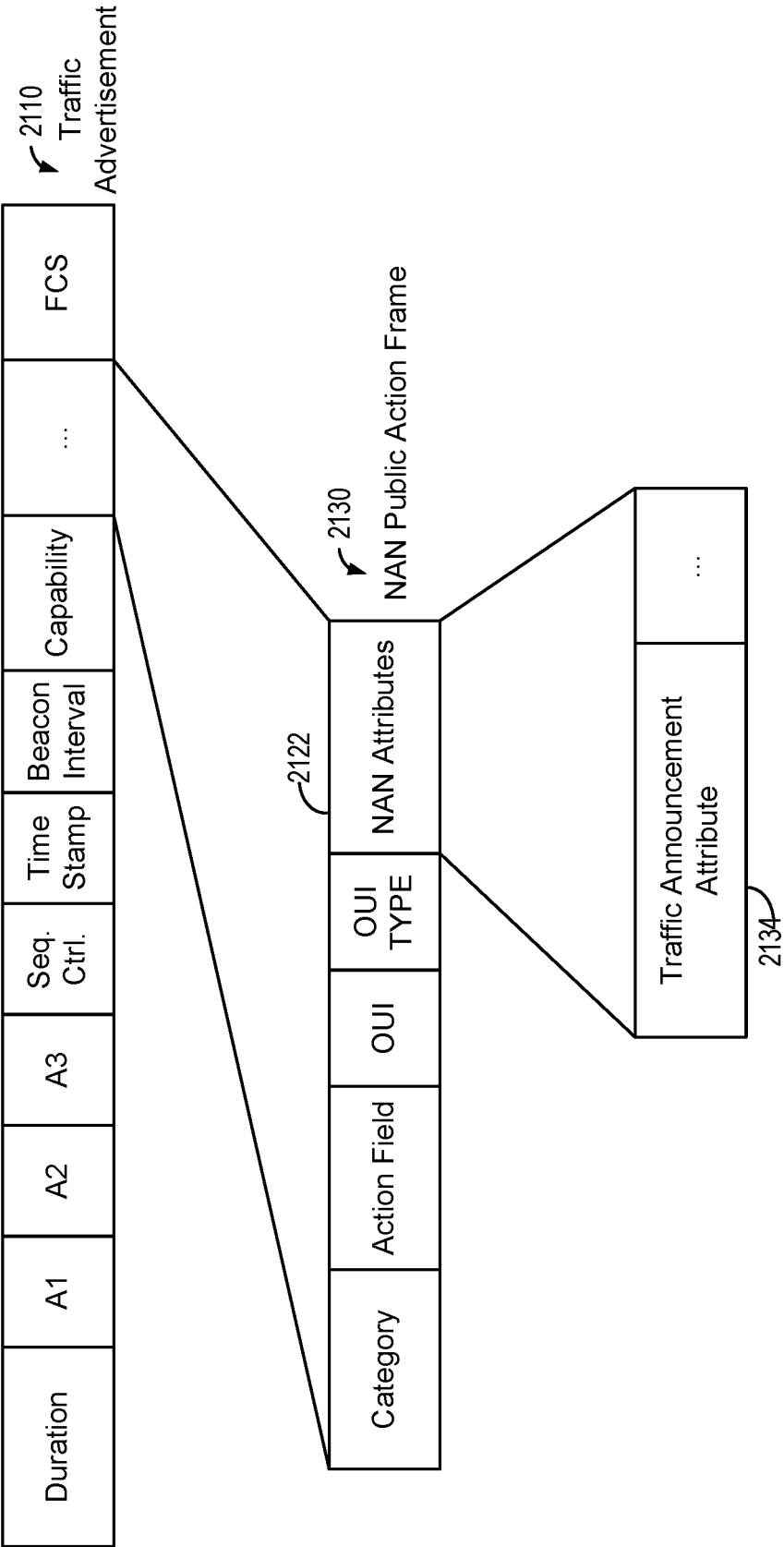


FIG. 21

2200 ↗
Traffic
Announcement
Attribute
↖ 2234

Field	Size (octets)	Value	Description
Attribute ID	1		Identifies the type of NAN attribute
Length	2	Variable	Length of the following fields in the attribute
NDL Group ID	6		Data Link Group Identifier
Traffic Indicator	Variable		TLV

Traffic Indicator
Field
↖ 2213

Field	Size (octets)	Value	Description
Type	1	Variable	Indicates type of the traffic indicator (e.g., a bloom filter type, a TIM type, an ATIM type, or an address list type)
Length	2	Variable	Indicates length of the value field
Value	Variable	Variable	Traffic indicator (e.g., a bloom filter, a TIM, an ATIM, or a list of MAC addresses)

FIG. 22

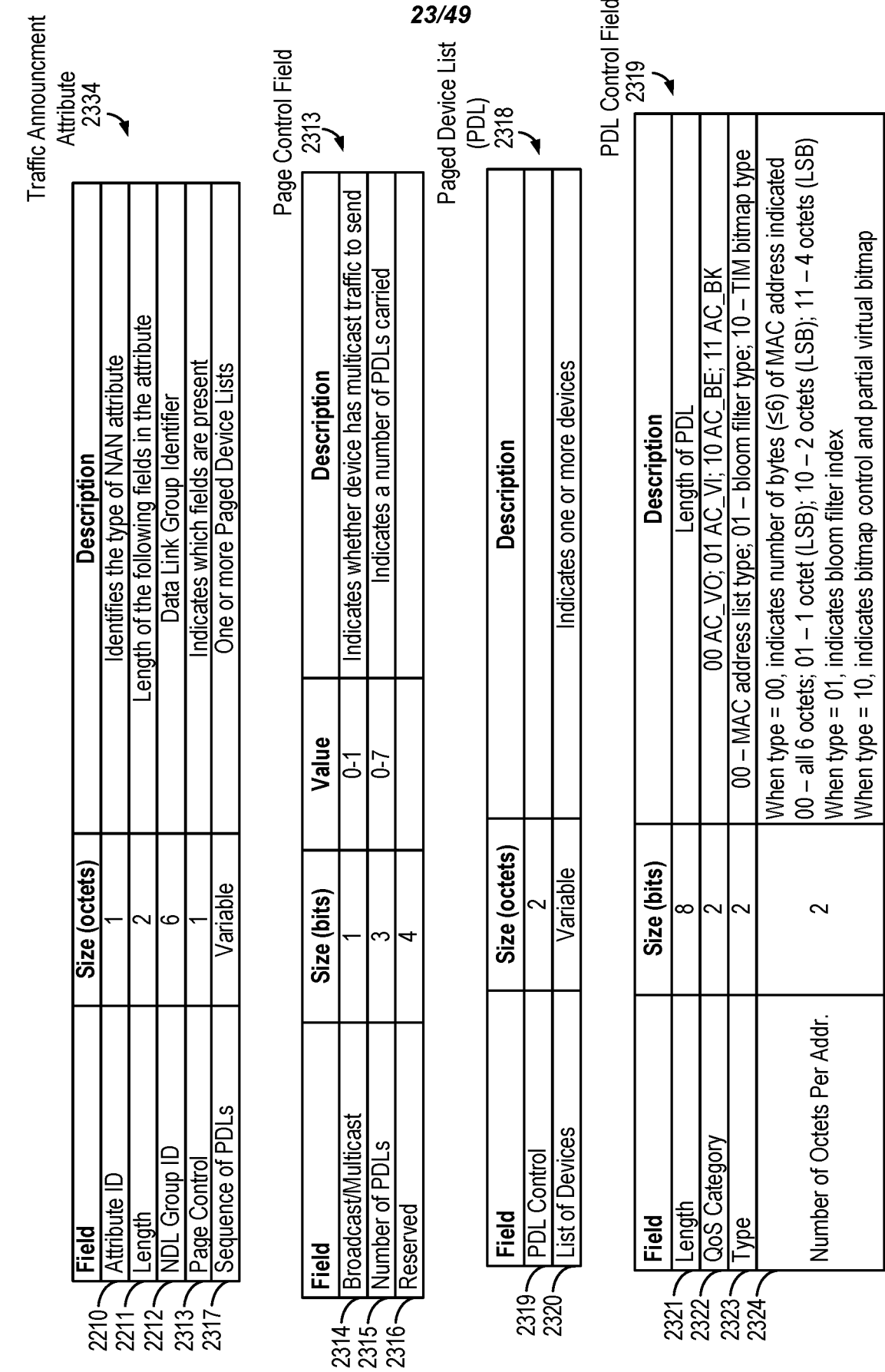


FIG. 23

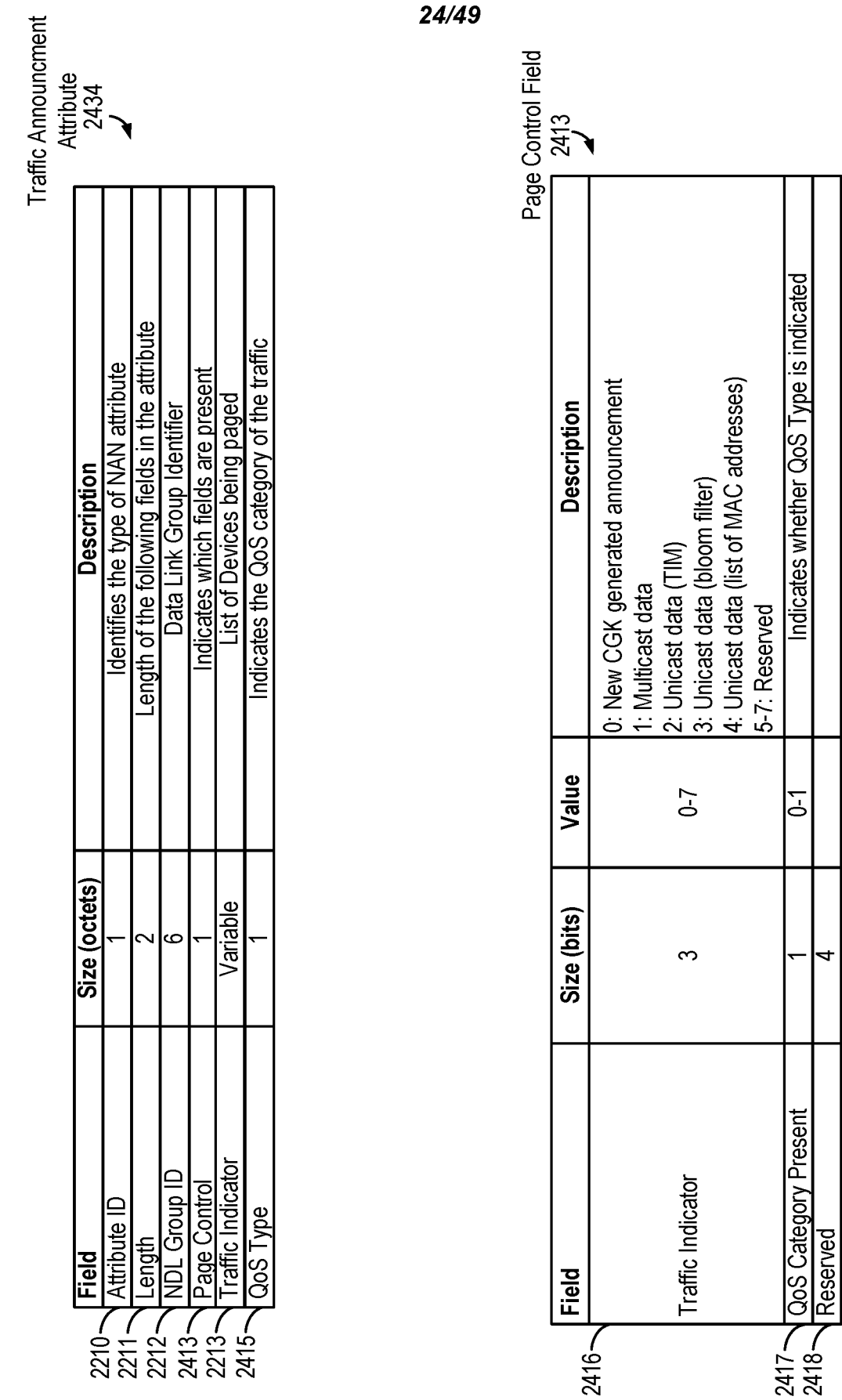


FIG. 24

2500



NDL

Negotiation Attribute
↗ 2534

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Field	Size (octets)	Value	Description
Attribute ID	1	0x0C	Identifies the type of NAN attribute
Length	2	Variable	Length of the following fields in the attribute
MAC Address	6	Variable	Device MAC Address for Data Link
Group ID	6	Variable	Unique NDL Group ID
Validity Time	2	Variable	Number of DW intervals this attribute is valid
NDL Control	1	Variable	Indicates/Presence and absence of bits
Security Type	1	Variable	Indicates the authentication protocol and cipher suites supported by the device
NDL Logical Channel Indicator	2	Variable	Present if indicated by NDL Control. Indicates the Logical Channel Index for the NDL
Map Control	1	Variable	Present if indicated by NDL Control. The availability channel and time map control information
Availability Intervals Bitmap	Variable	Variable	Present if indicated by NDL Control. The availability intervals bitmap divides the time between the beginnings of consecutive Discovery Windows of a given NAN cluster into consecutive time intervals of equal durations. The time interval duration is specified by the Availability Interval Duration subfield of the Map Control field. A NAN device that sets the i-th bit of the Availability Intervals Bitmap to 1 shall be present during the corresponding i-th time interval in the operation channel indicated by the associated Further Availability Map attribute. A NAN device that sets the i-th bit of the Availability Intervals Bitmap to 0 may be present during the corresponding i-th time interval in the operation channel indicated by the associated Further Availability Map attribute.

FIG. 25

2600 ↗

NDL Control Field

↖ 2515

Field	Size (bits)	Value	Description
Availability Map Present	1	Variable	Set if the attribute indicates that map control and availability map is present
NDL Logical Channel Indicator Present	1	Variable	Set if the NDL attribute indicates a spec defined channel. When set, the NDL Logical Channel Indicator field is present
Status Code	2	Variable	00-Request; 01-Reject/Counter Request; 10-Fail; 11-Confirm
Flexible	1	Variable	When set indicates that the receiving device may negotiate an alternate schedule
Power Save	1	Variable	When set, the device is indicating that it is a power constraint device and prefers to have a scheme to aid power save (e.g., traffic announcement, etc.)
Security	1	Variable	Set if the Security Type field indicates authentication protocol & cipher suites
Reserved	1		

2614

2615

2616

2617

2618

2620

2619

FIG. 26

2700

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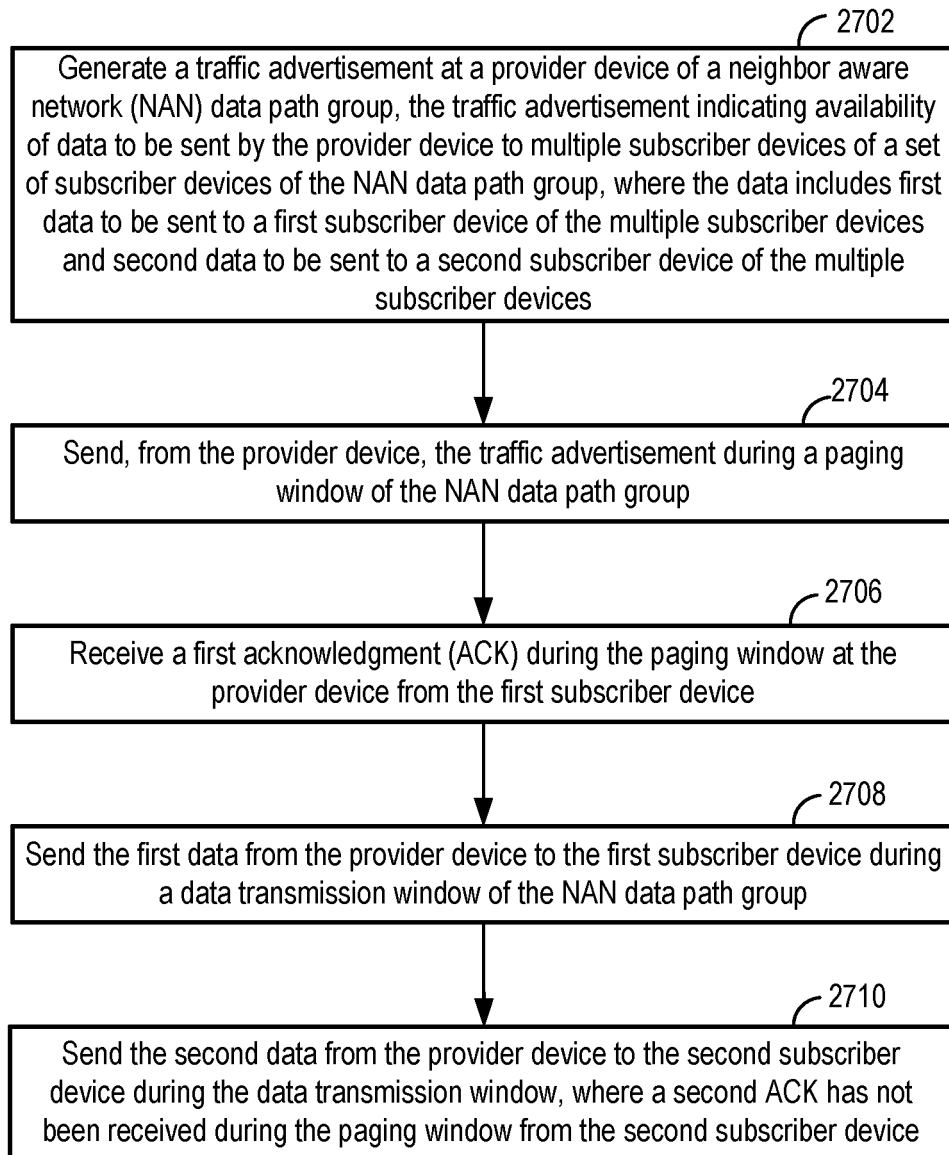


FIG. 27

2800

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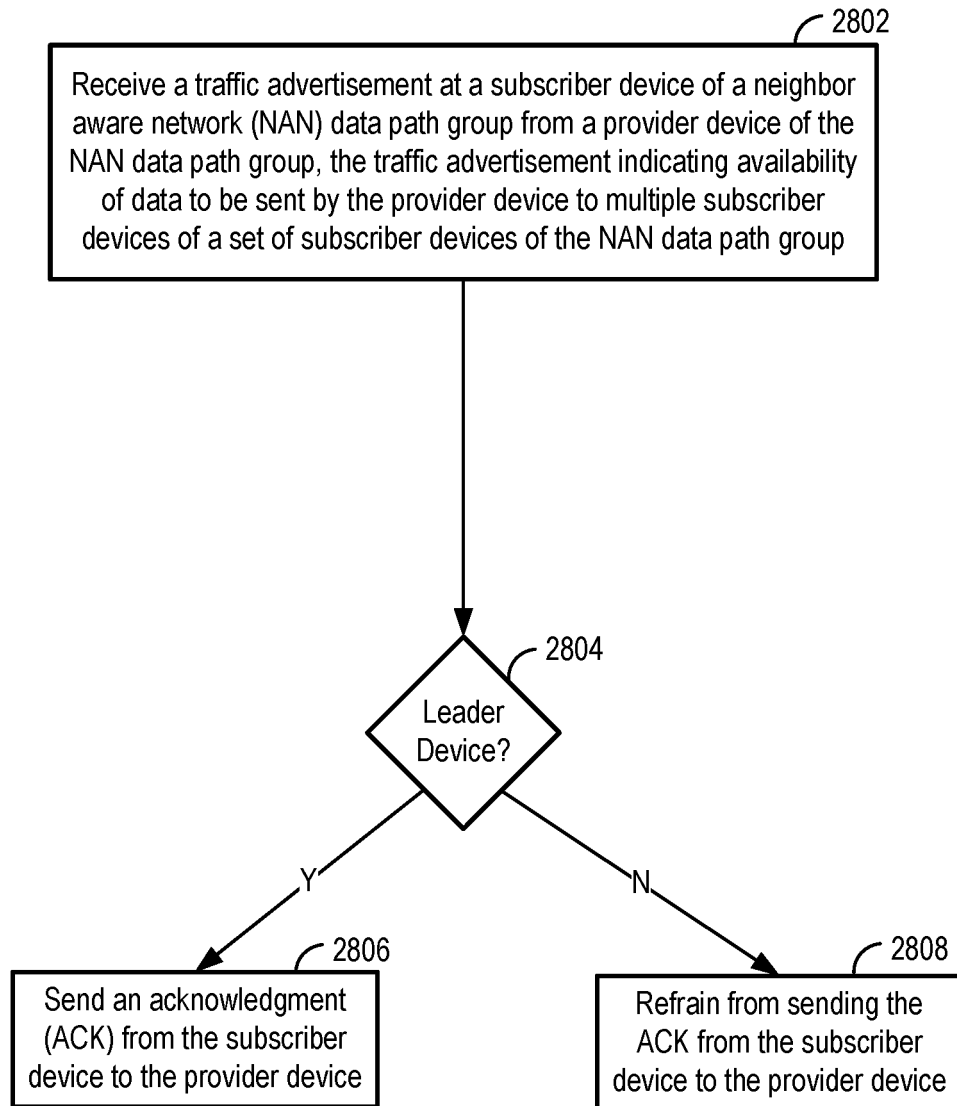


FIG. 28

2900

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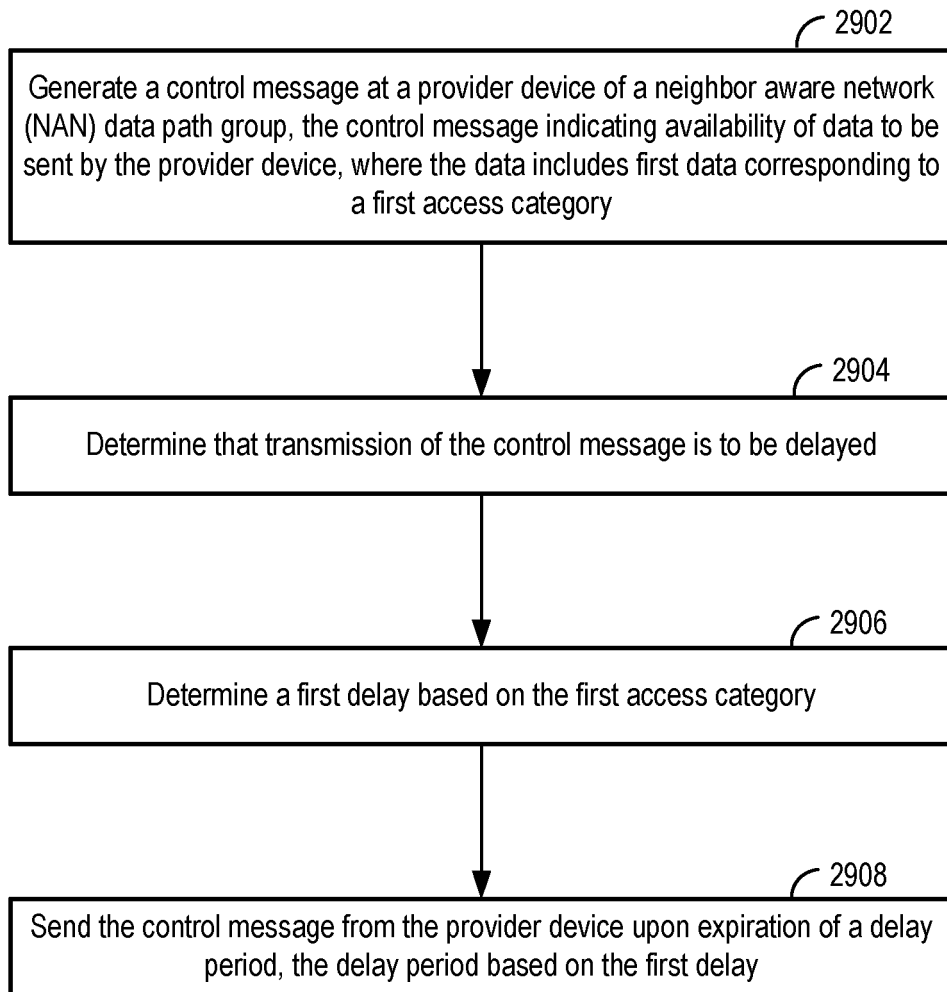


FIG. 29

3000

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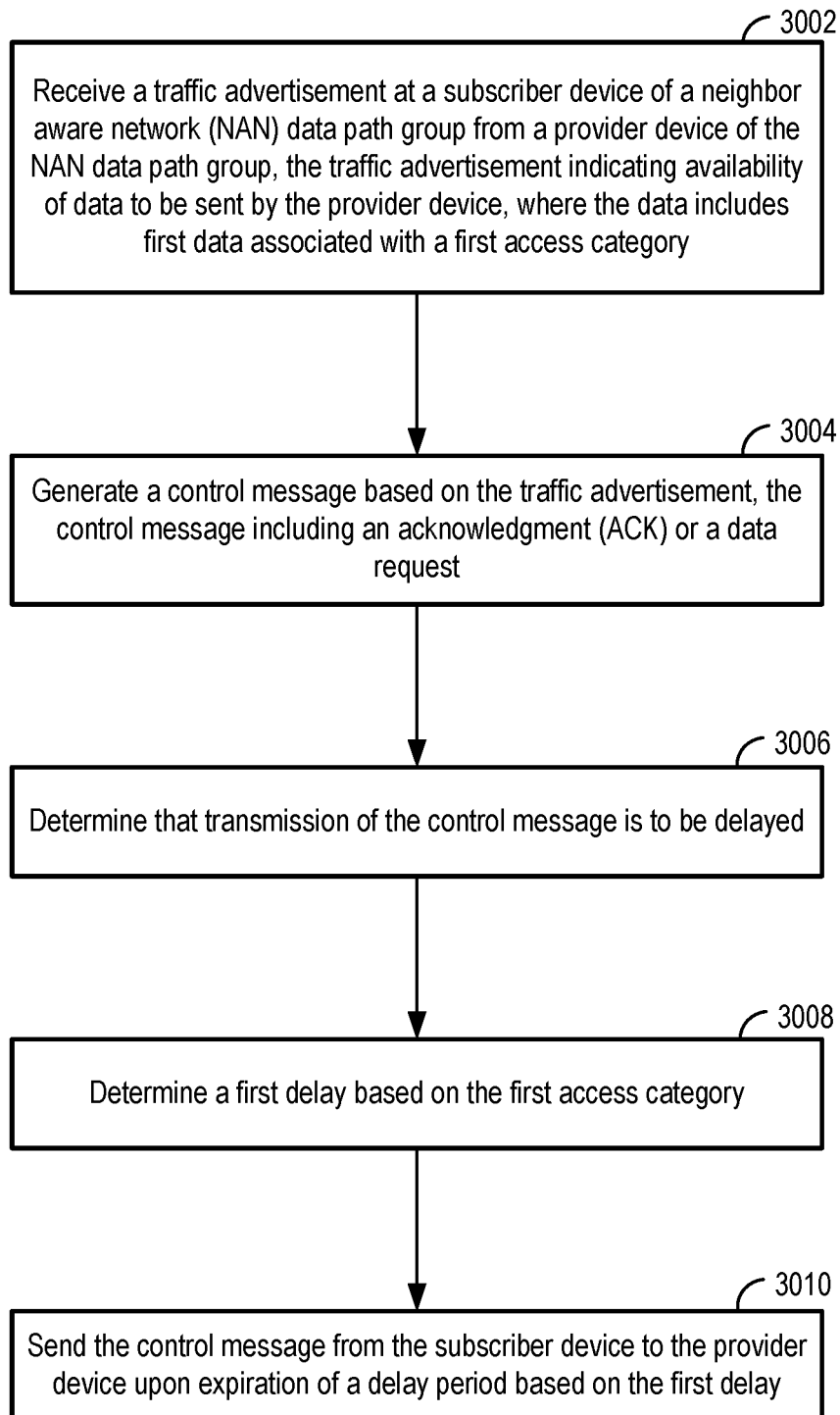


FIG. 30

3100

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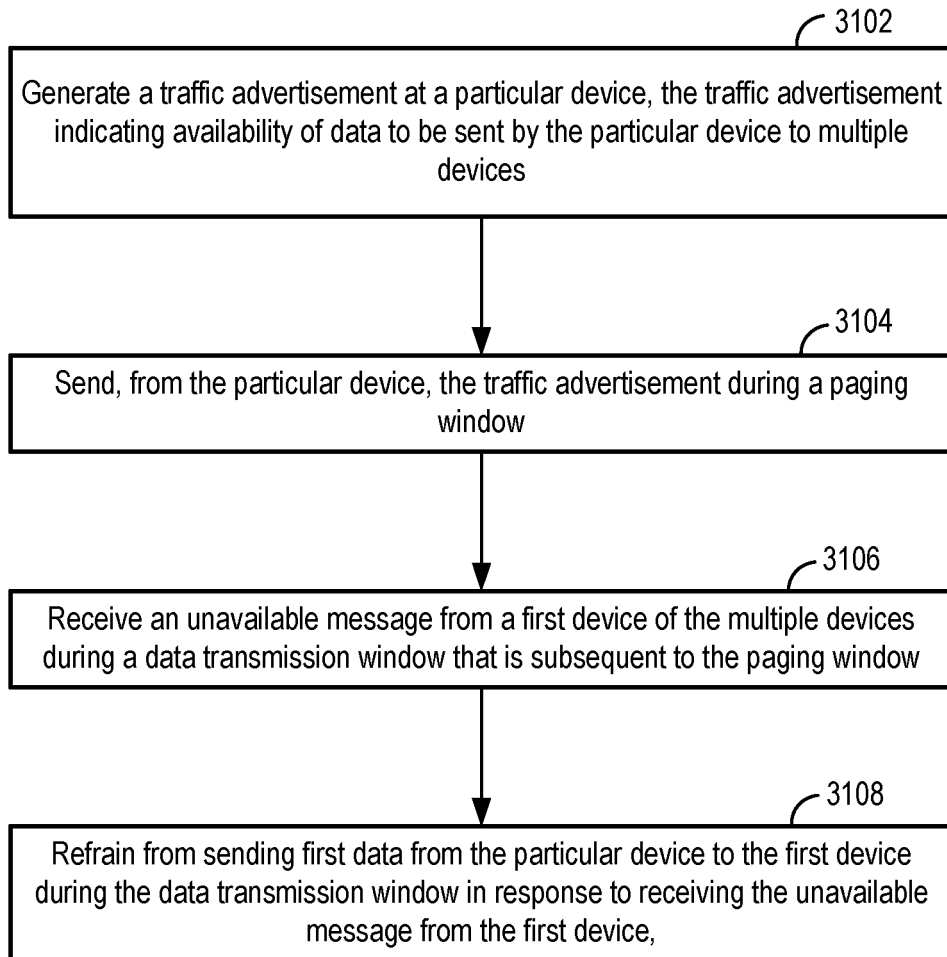
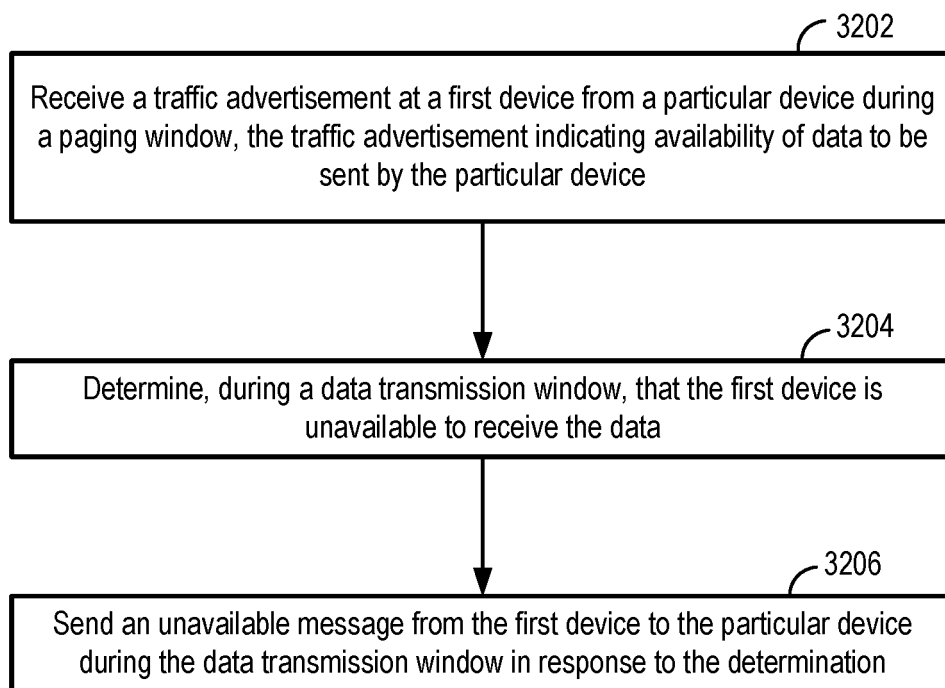


FIG. 31

3200

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**FIG. 32**

3300

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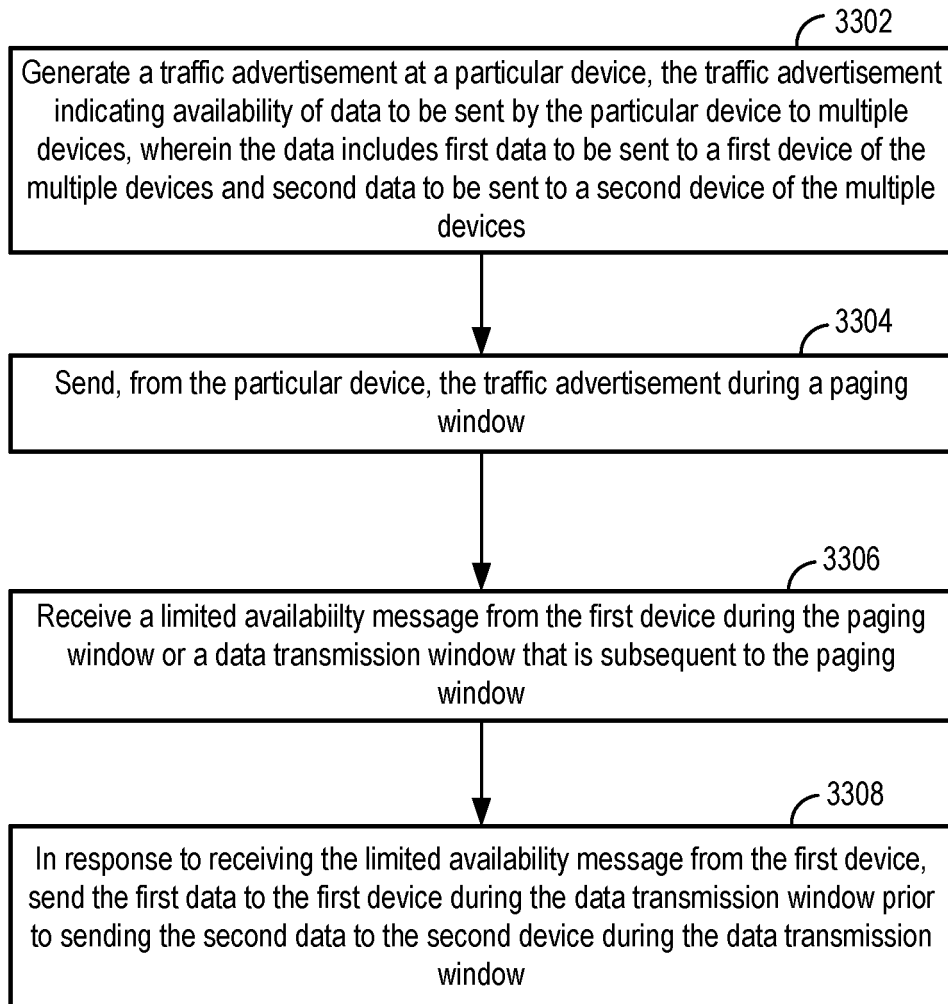


FIG. 33

3400

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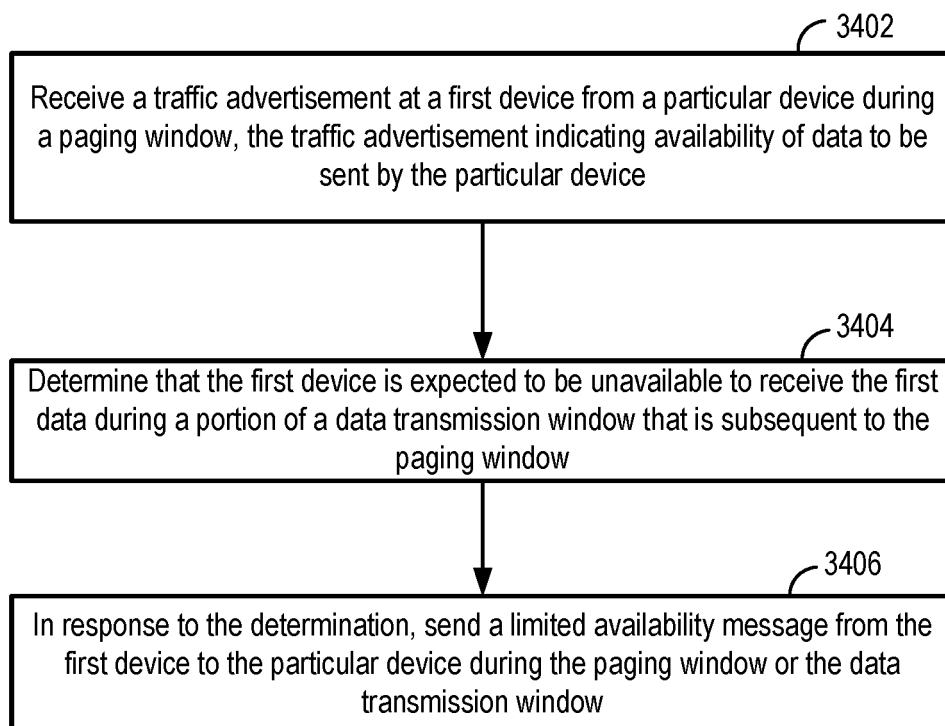


FIG. 34

3500

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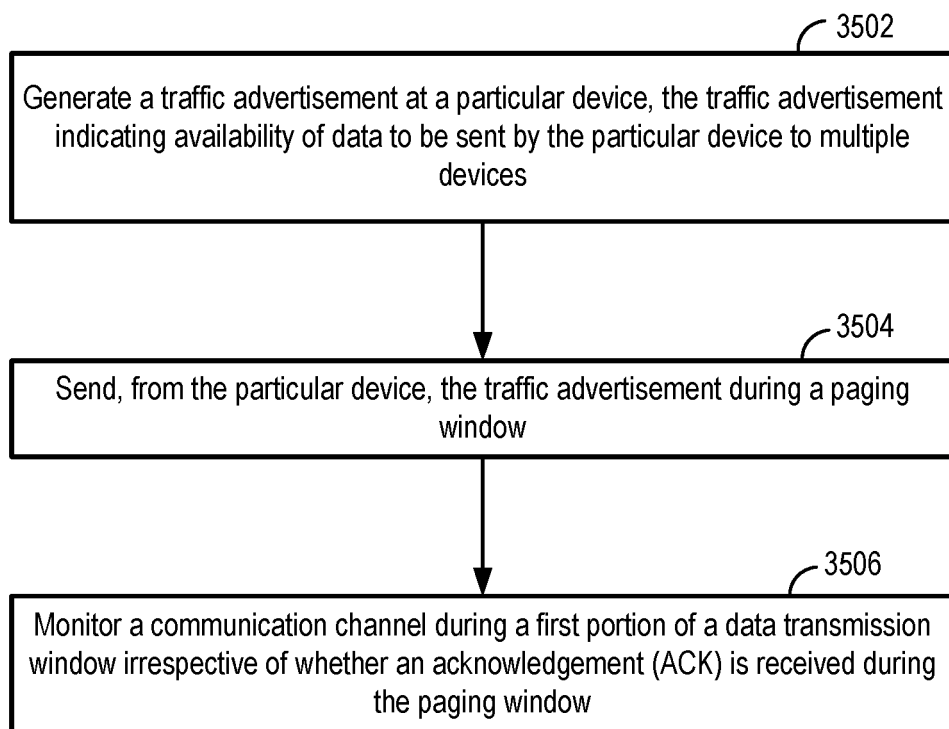


FIG. 35

3600

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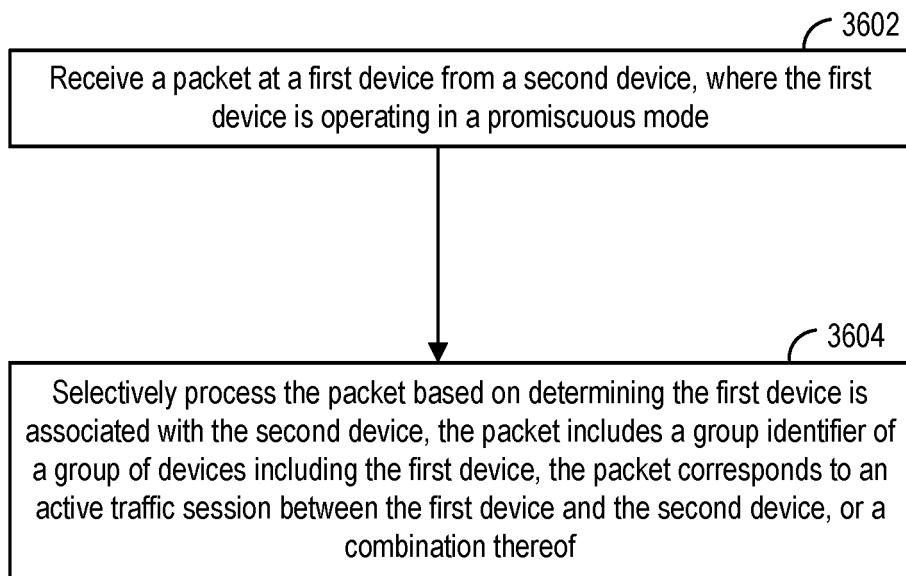
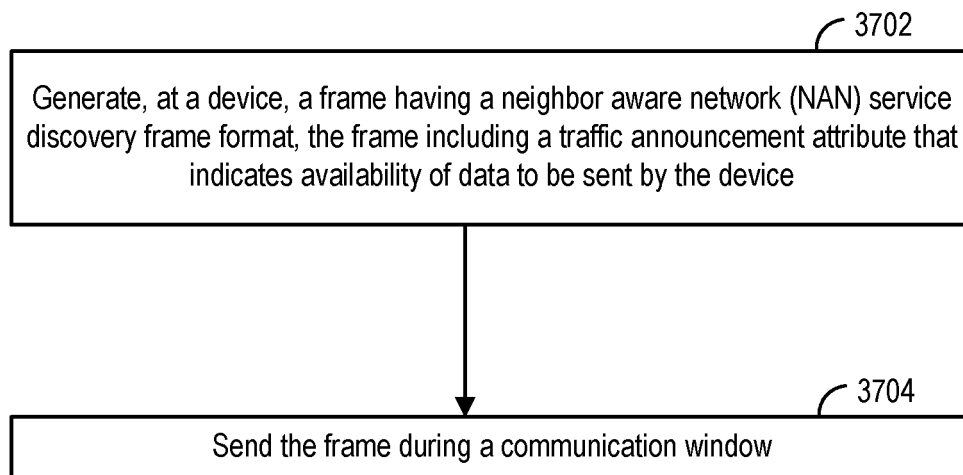


FIG. 36

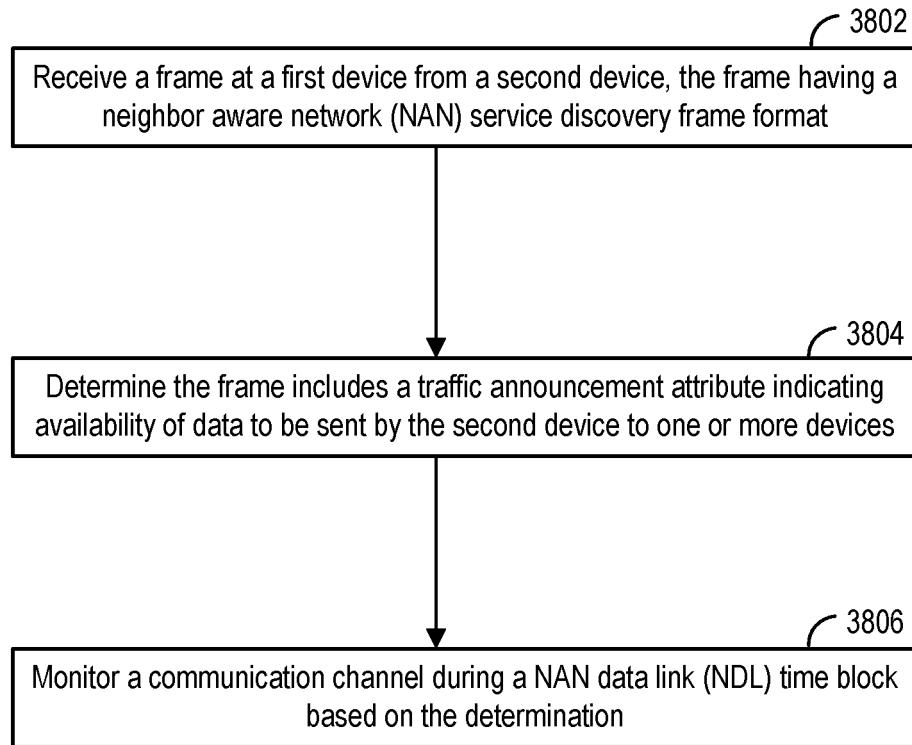
3700

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**FIG. 37**

3800

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**FIG. 38**

3900

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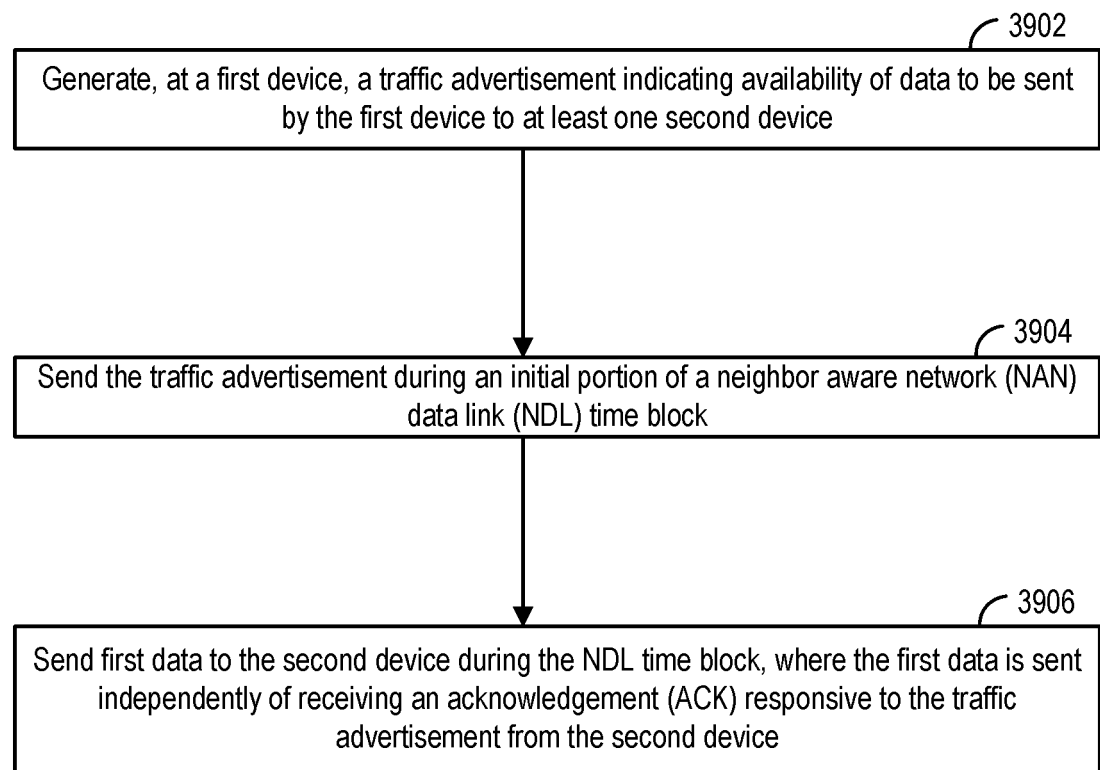


FIG. 39

4000

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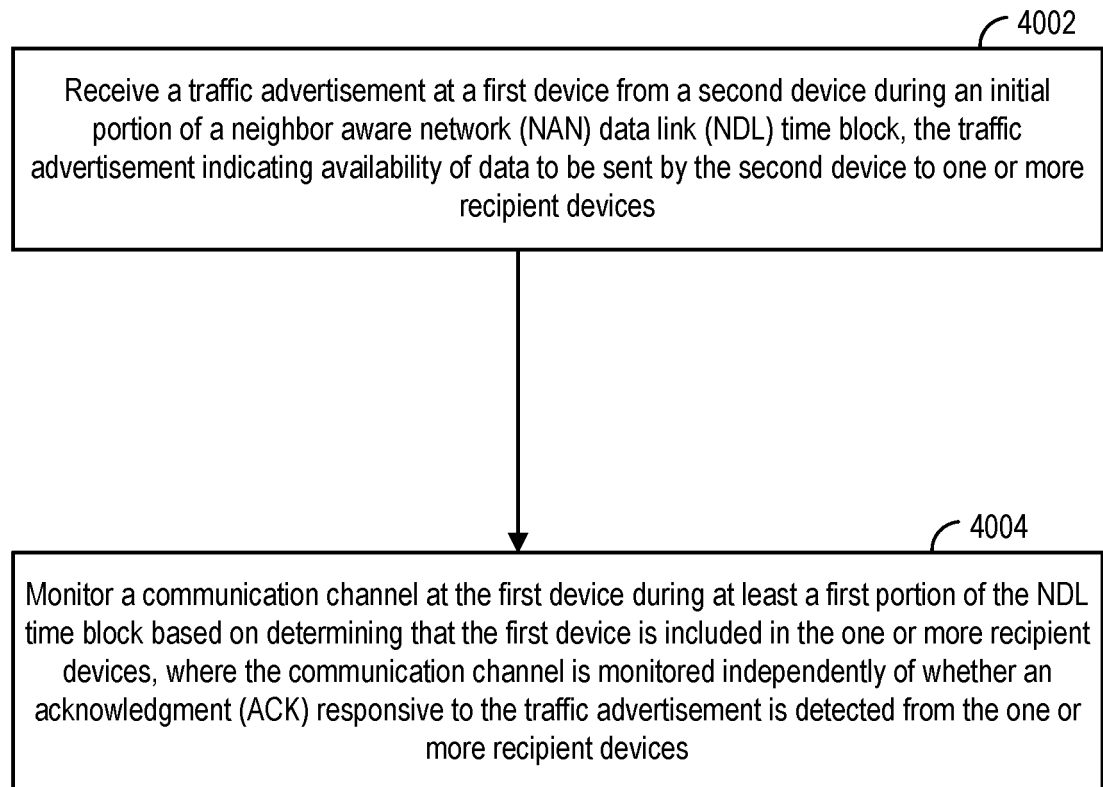


FIG. 40

4100



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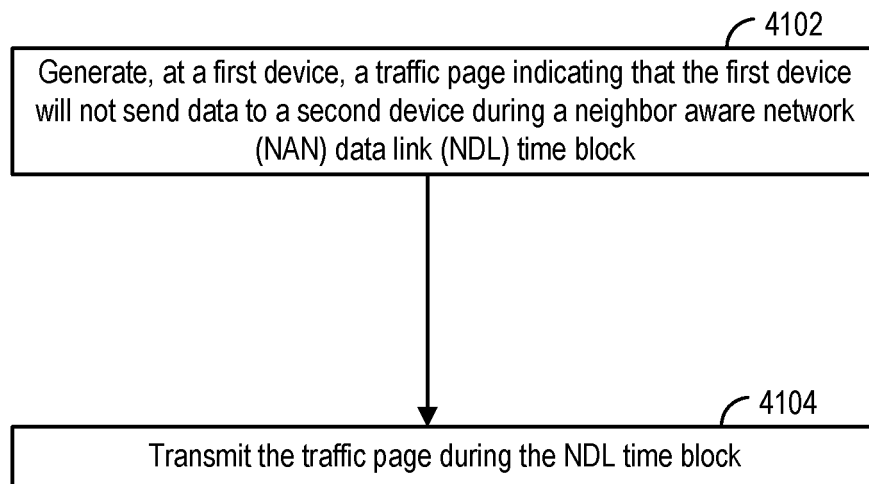


FIG. 41

4200

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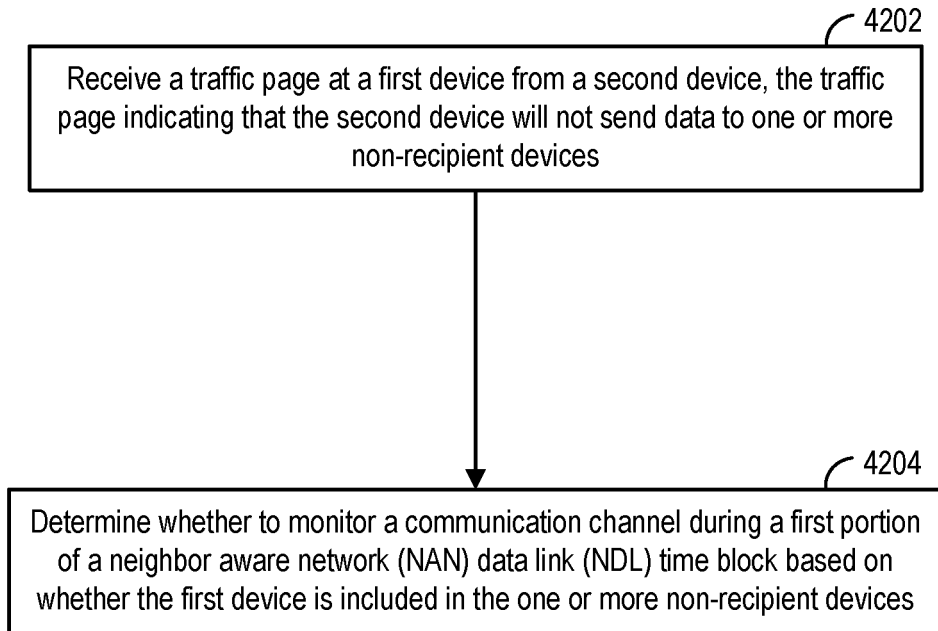


FIG. 42

4300

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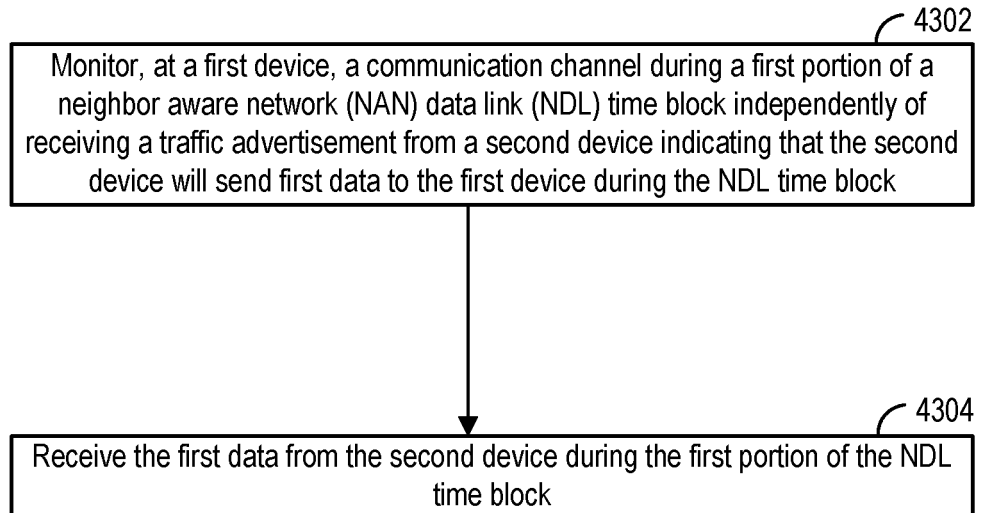


FIG. 43

4400

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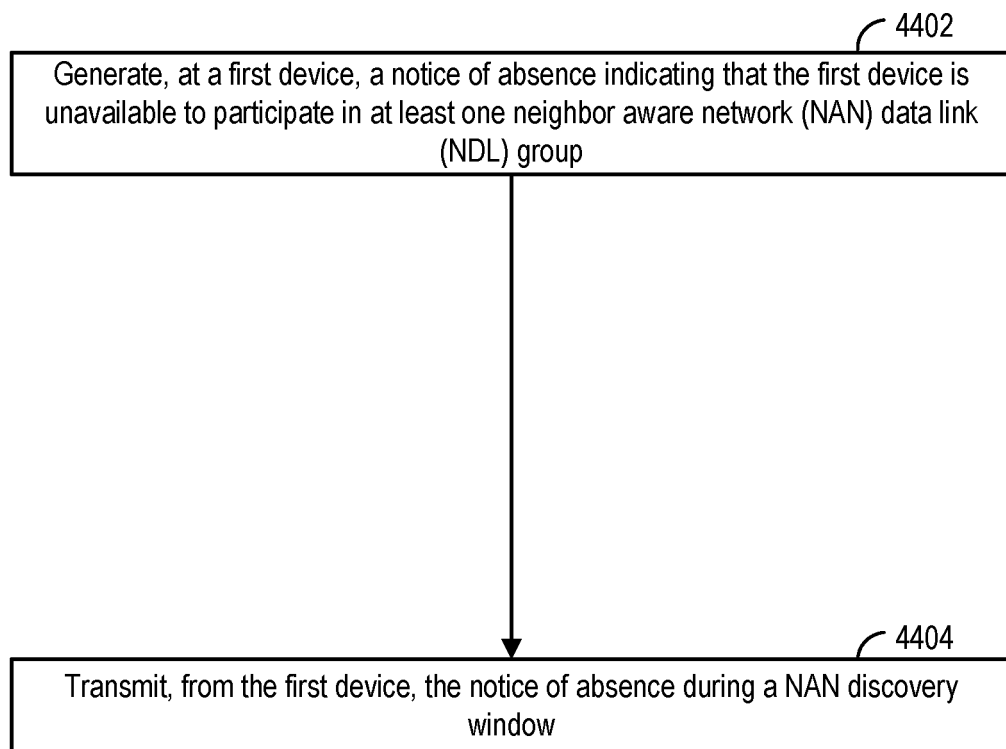


FIG. 44

4500

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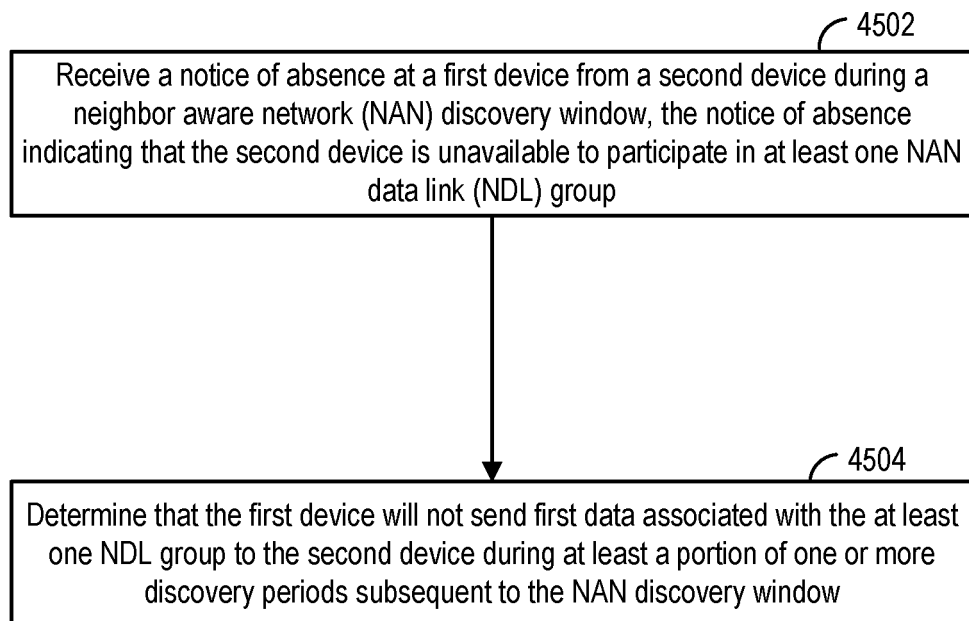


FIG. 45

4600



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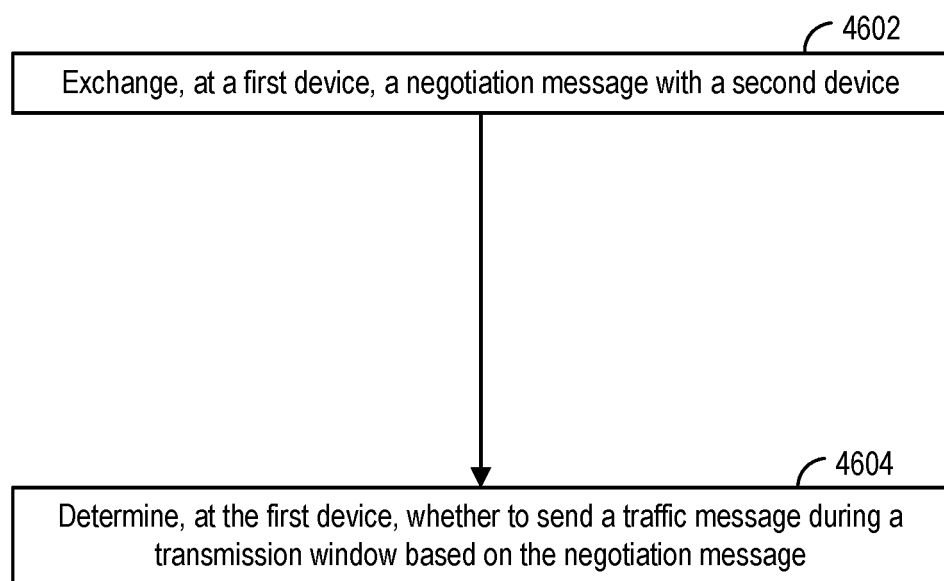


FIG. 46

4700



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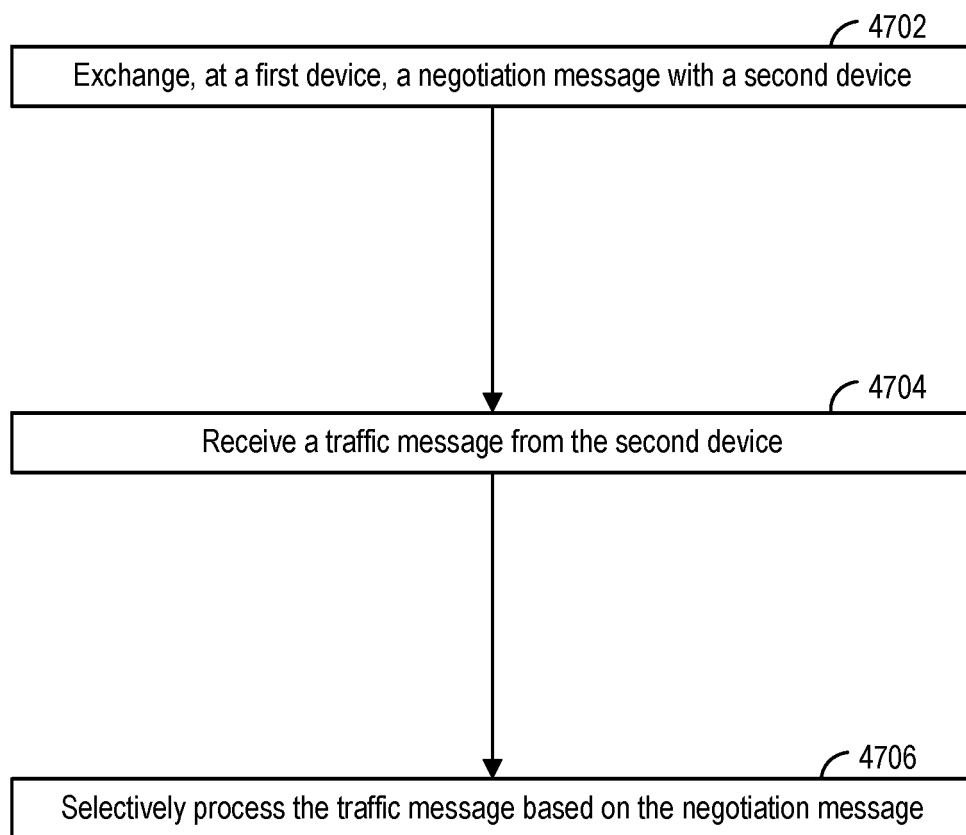


FIG. 47

4800



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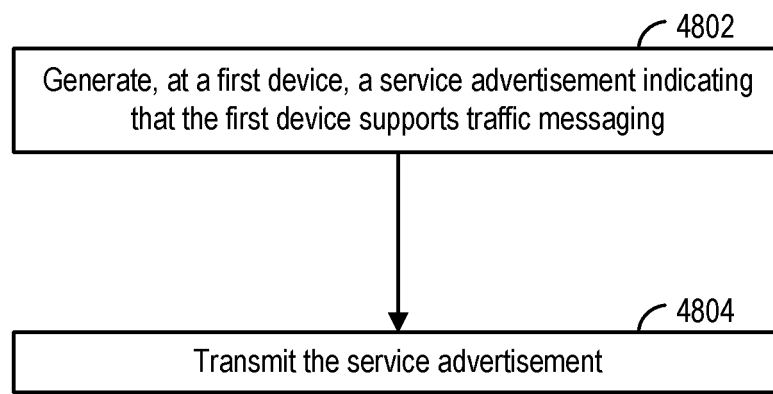


FIG. 48

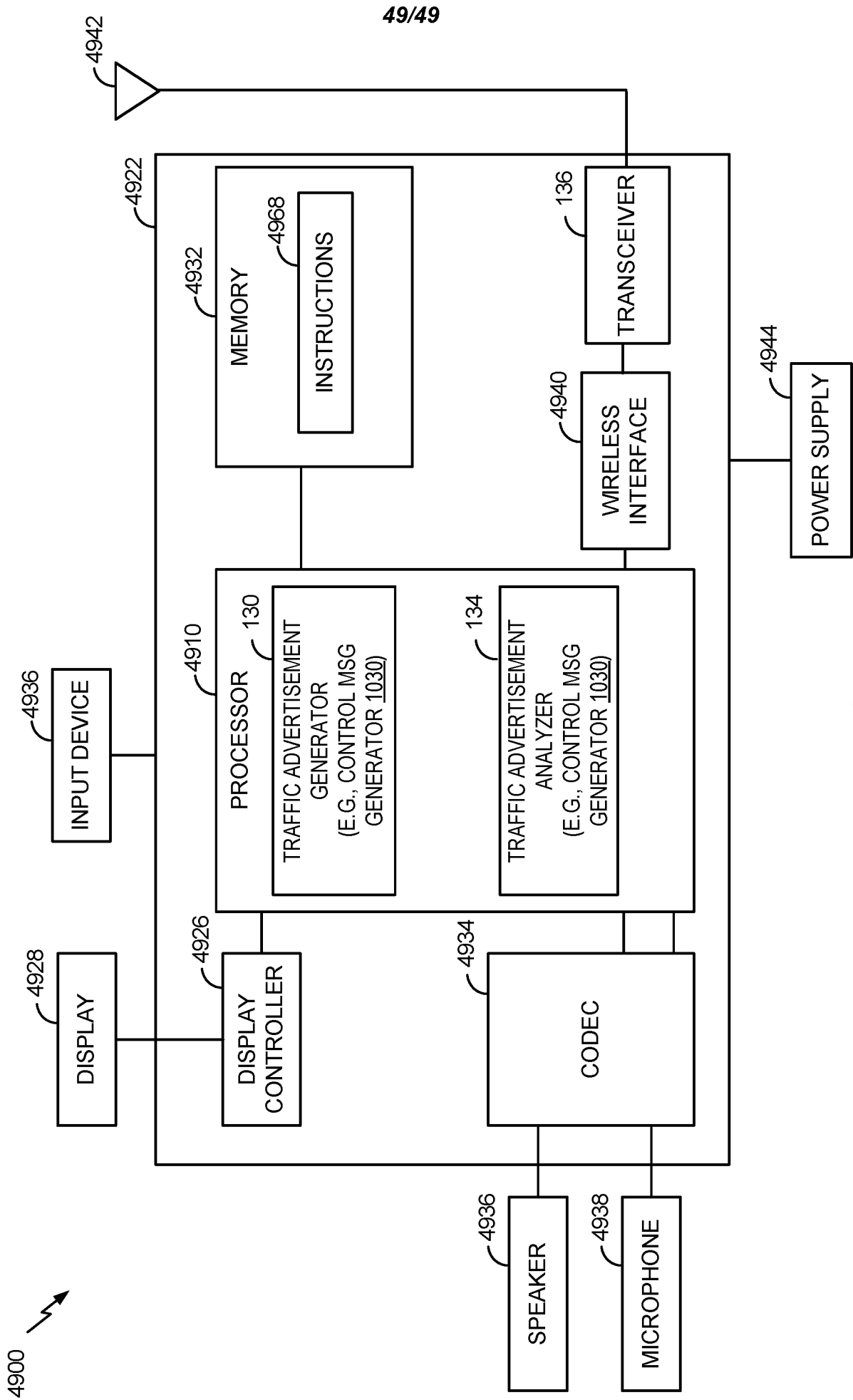


FIG. 49