

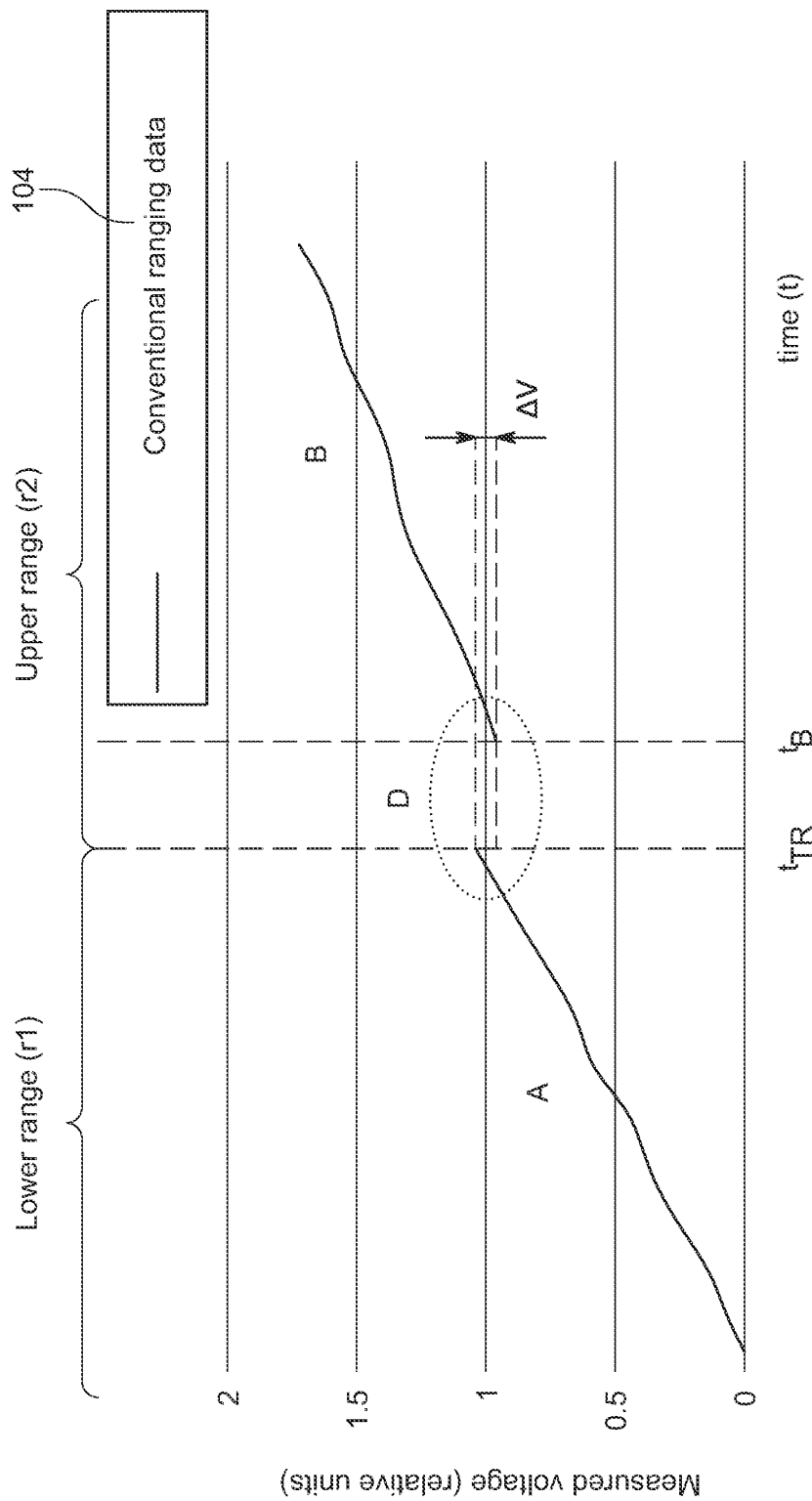


FIG. 1
(PRIOR ART)

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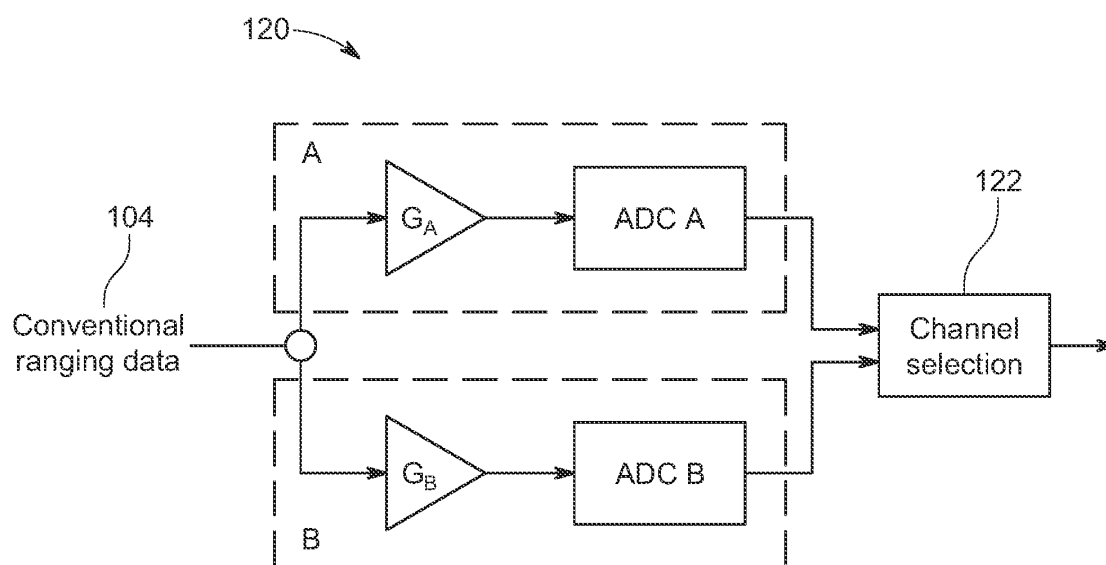


FIG. 2
(PRIOR ART)

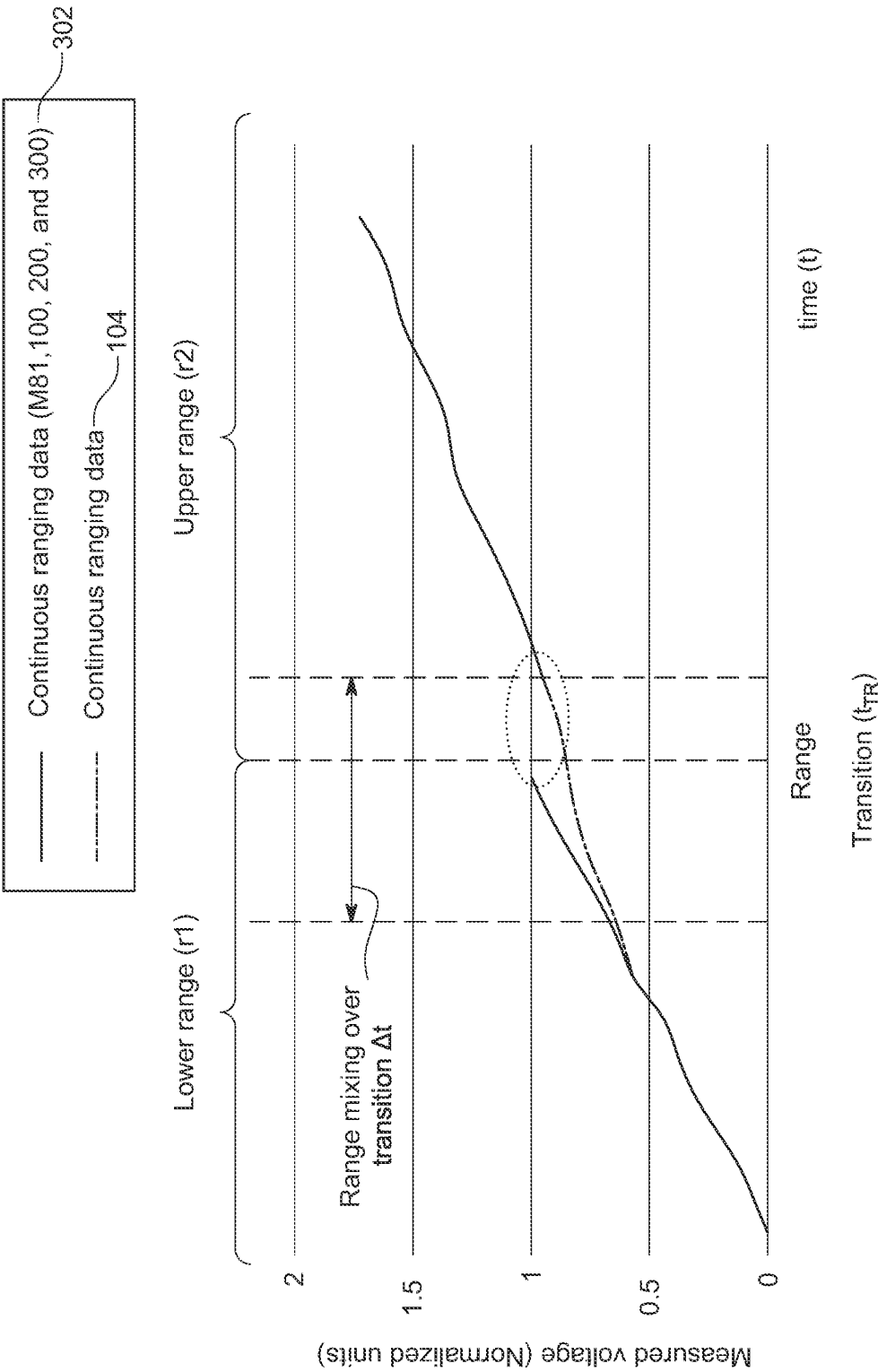


FIG. 3

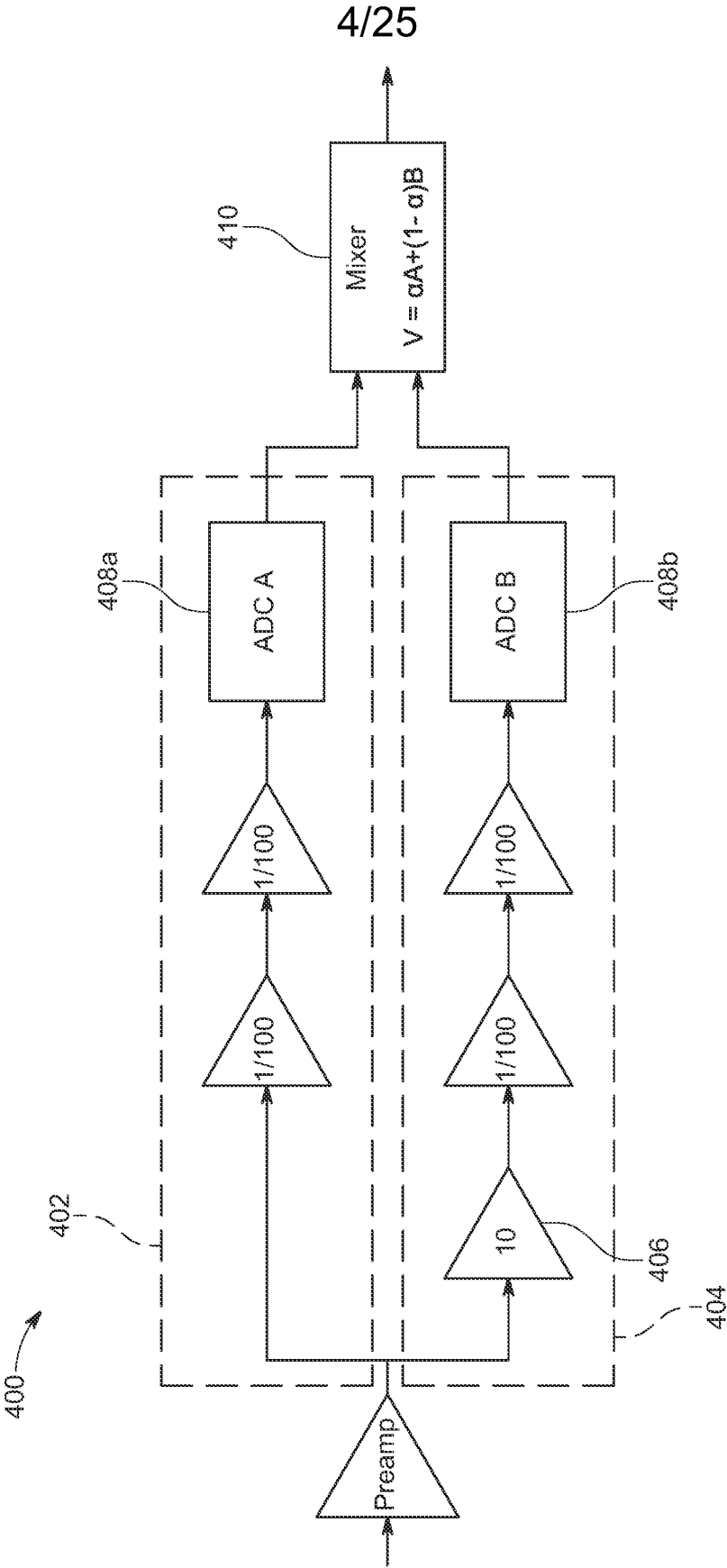


FIG. 4

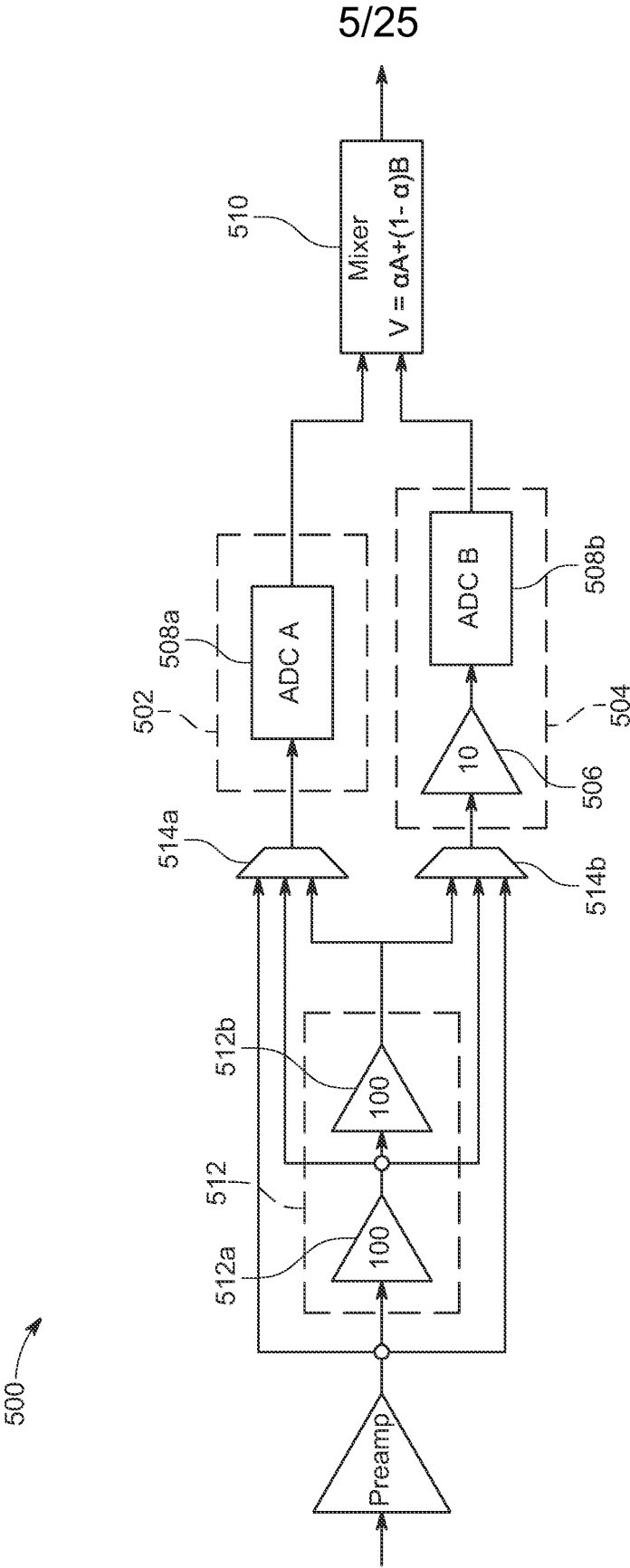


FIG. 5

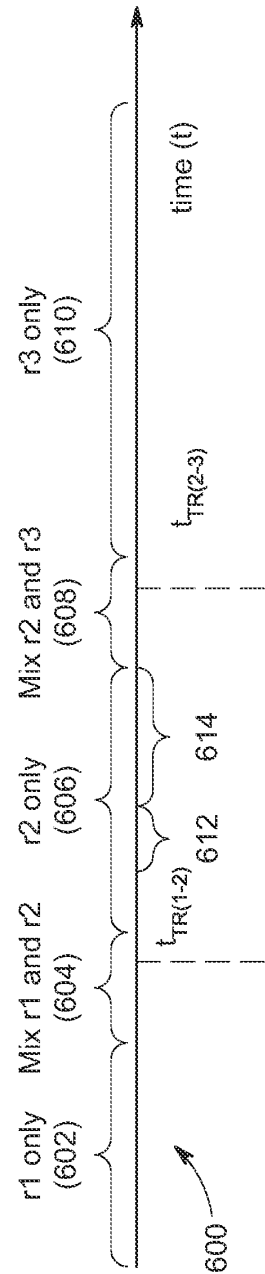


FIG. 6A

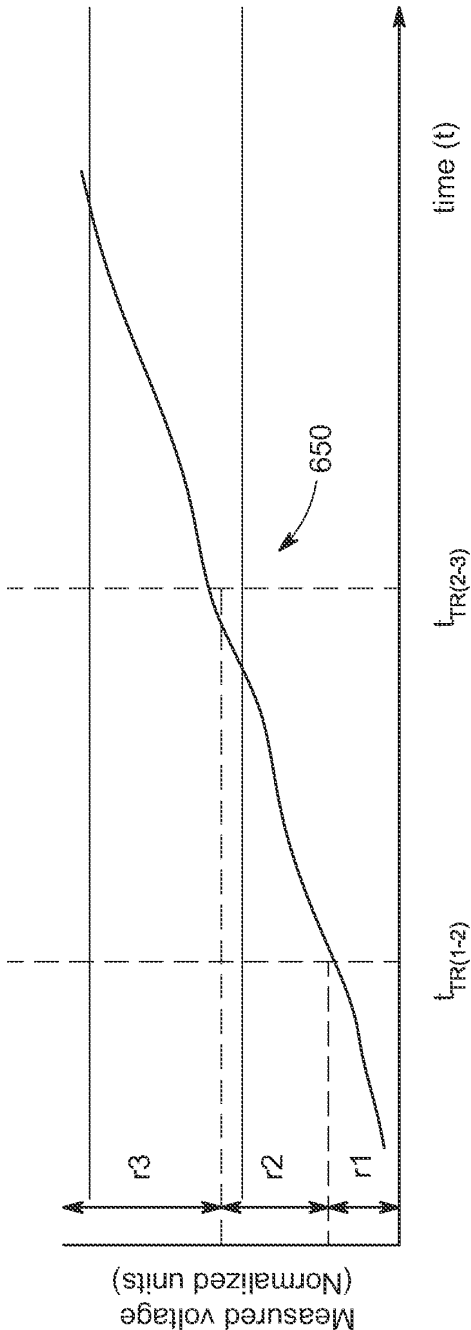


FIG. 6B

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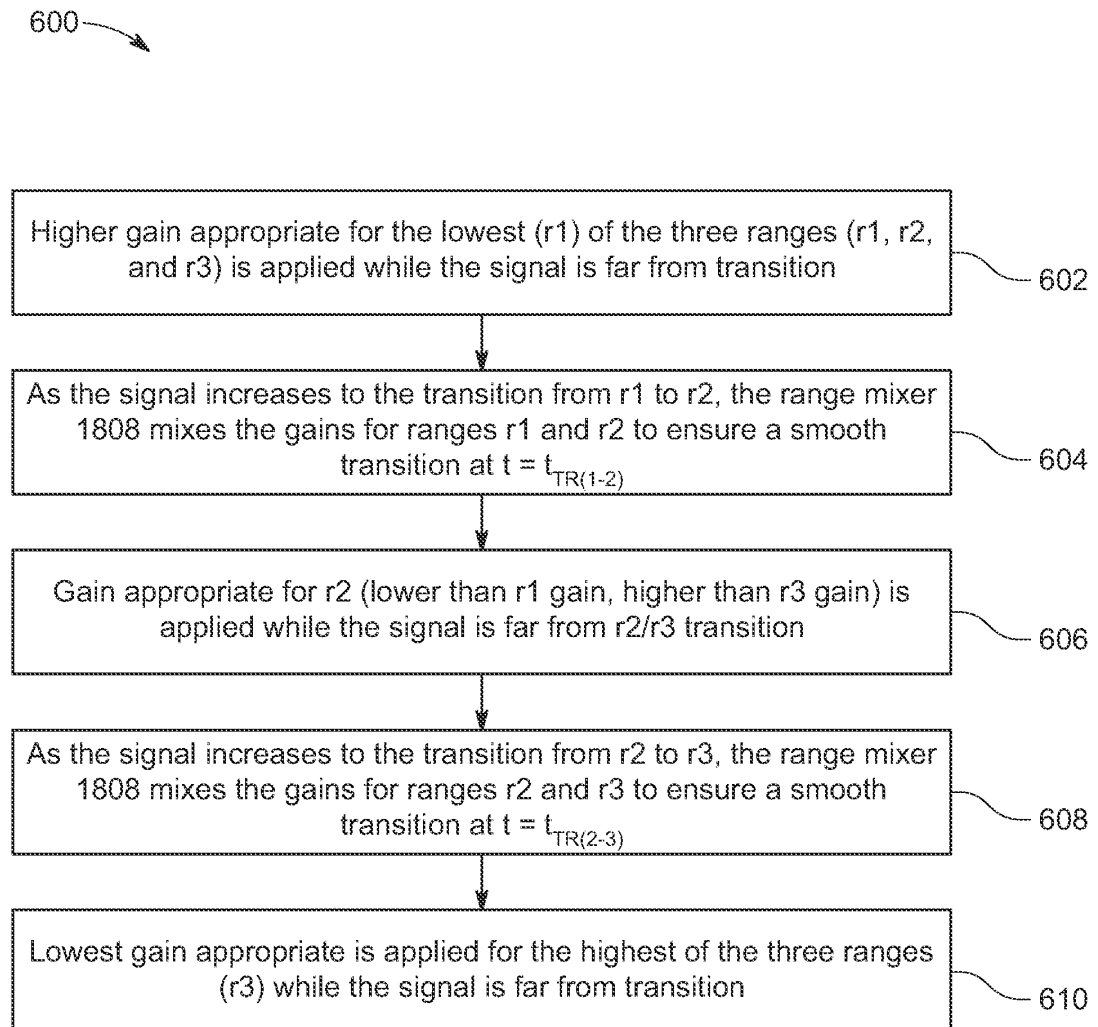


FIG. 6C

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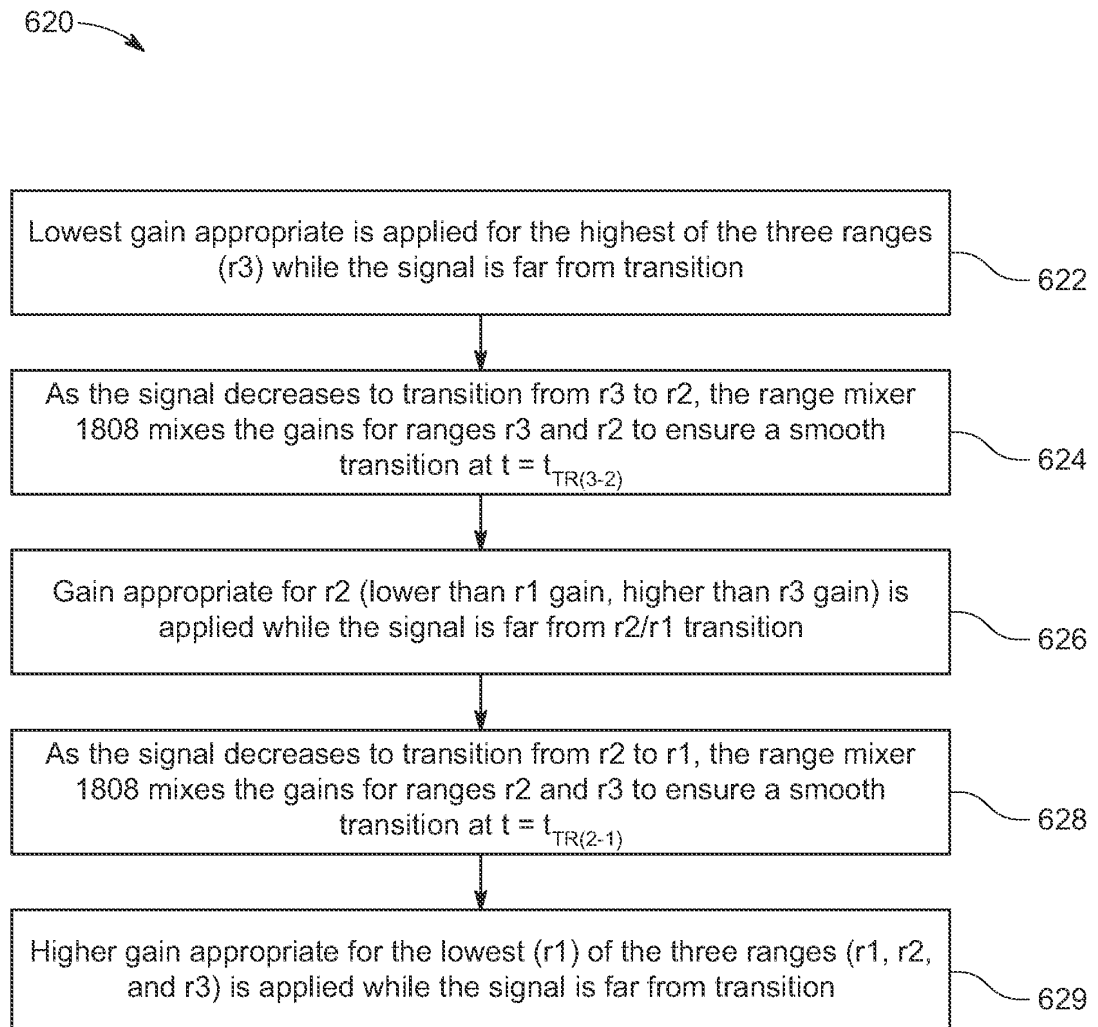


FIG. 6D

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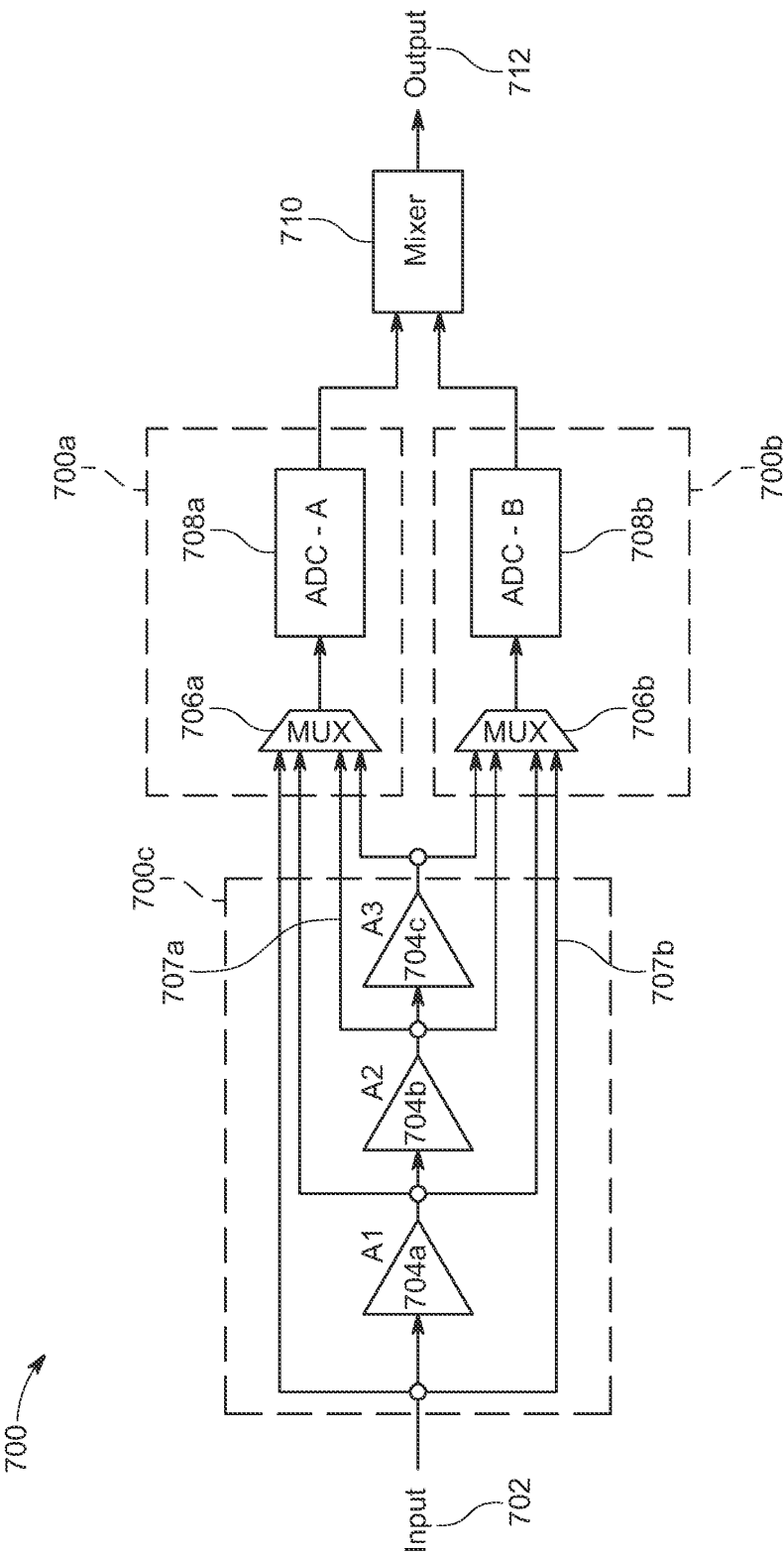


FIG. 7A

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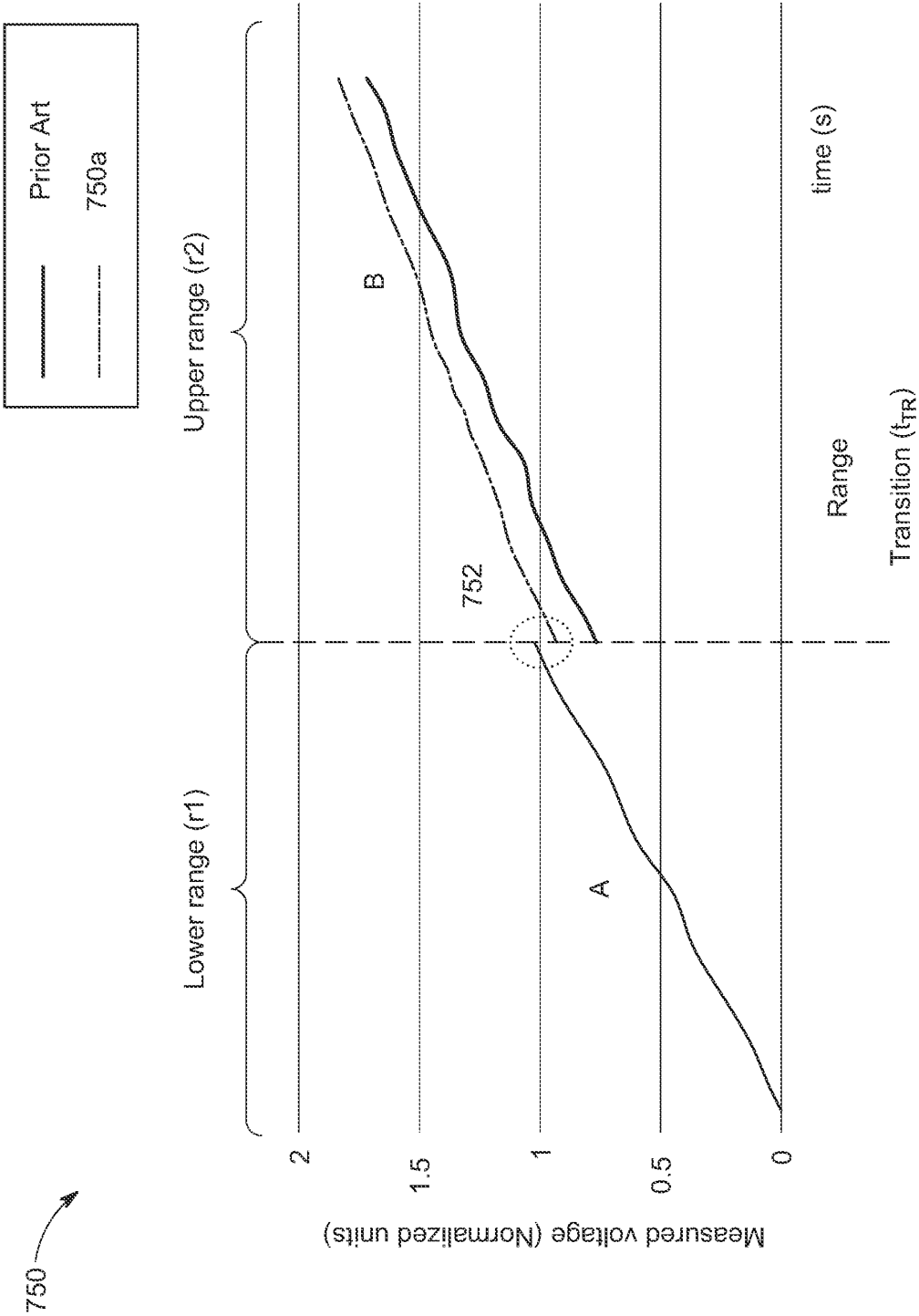


FIG. 7B

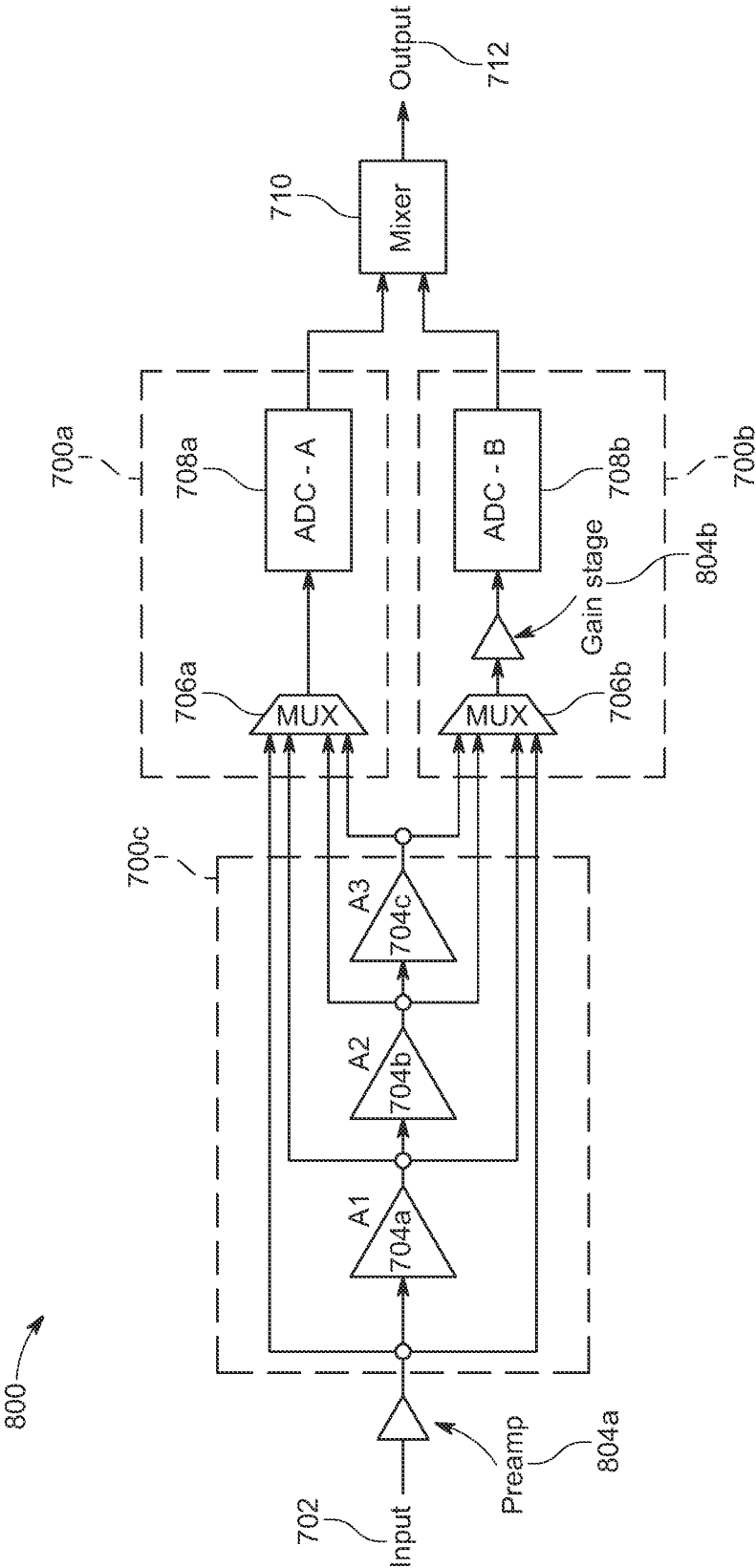


FIG. 8

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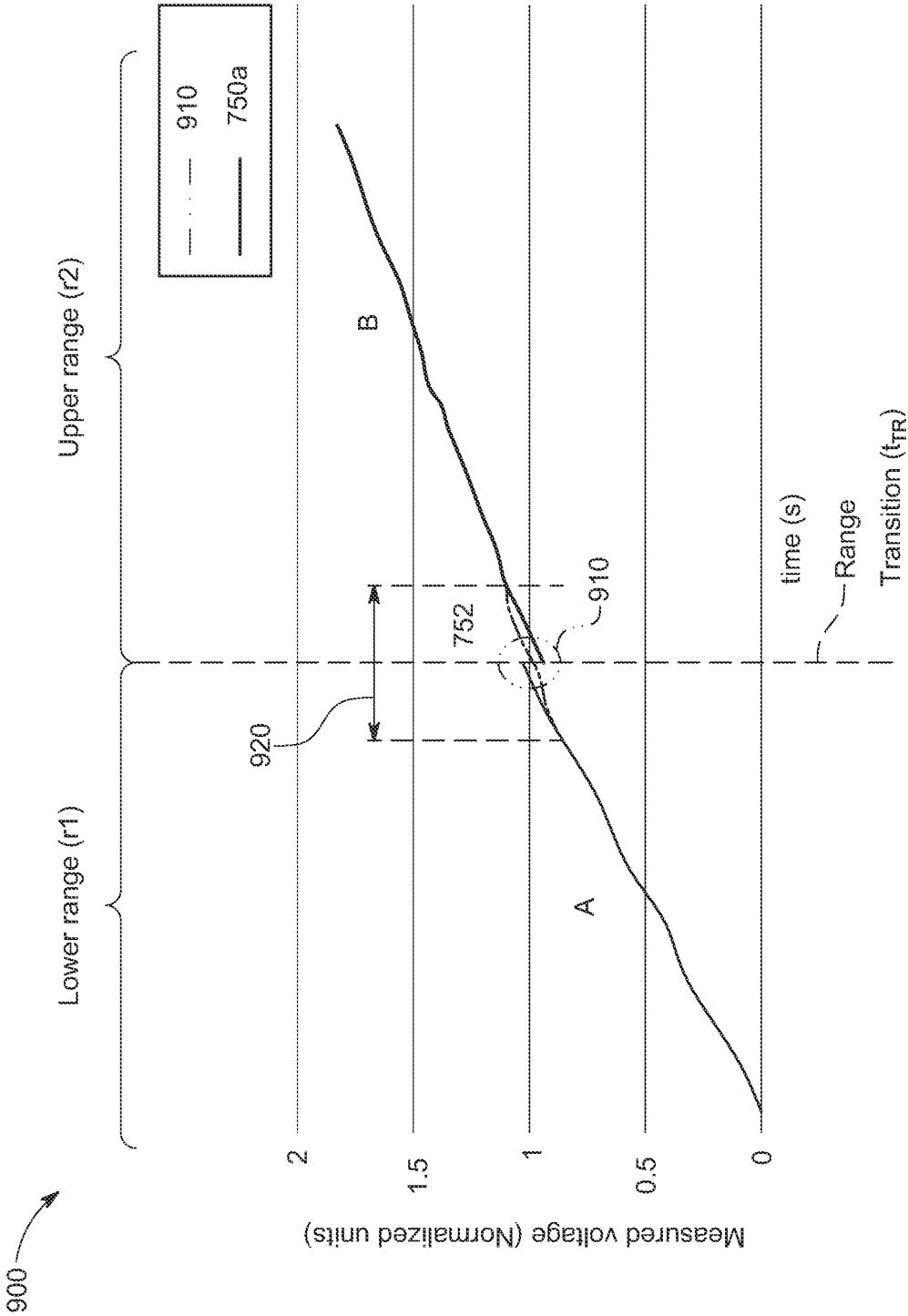


FIG. 9

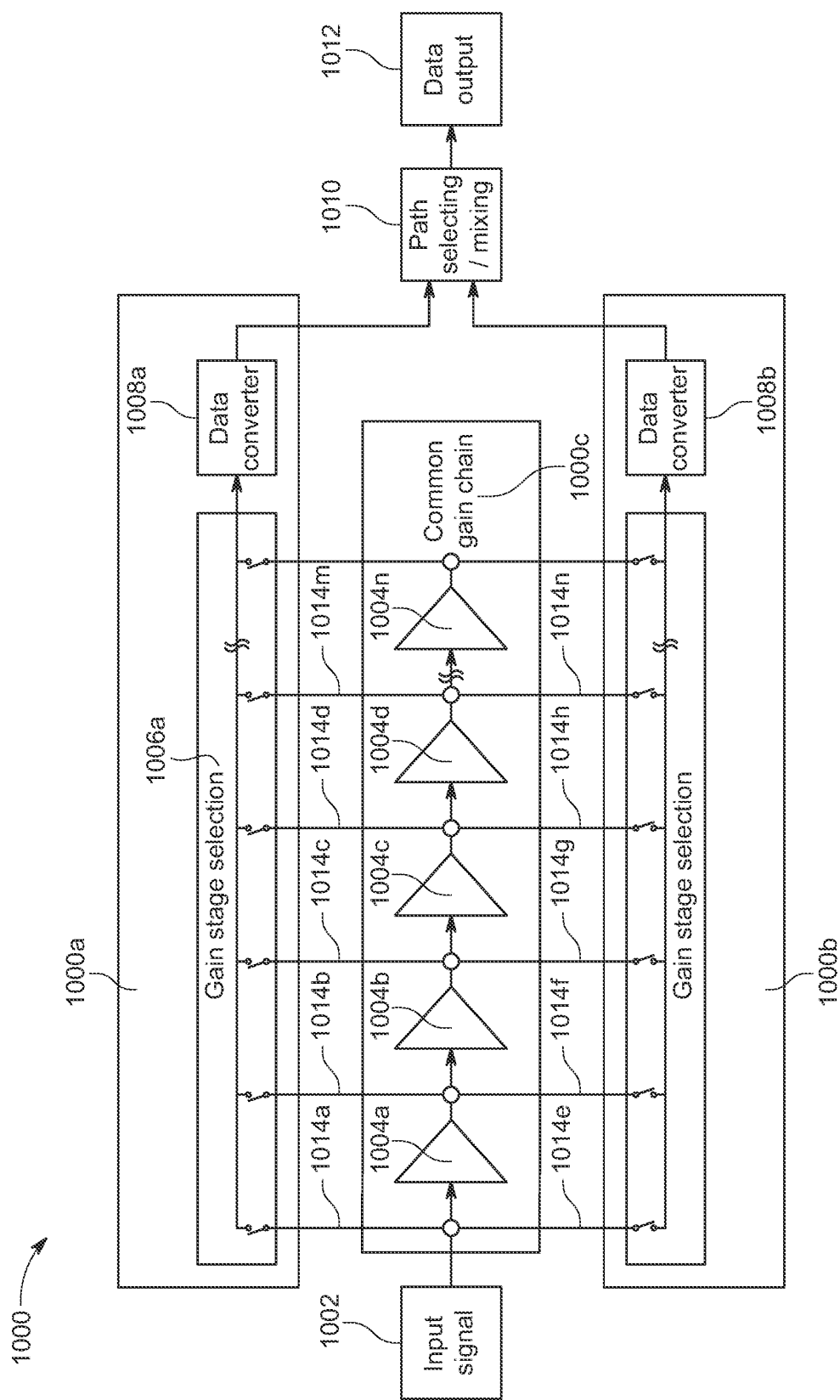


FIG. 10A

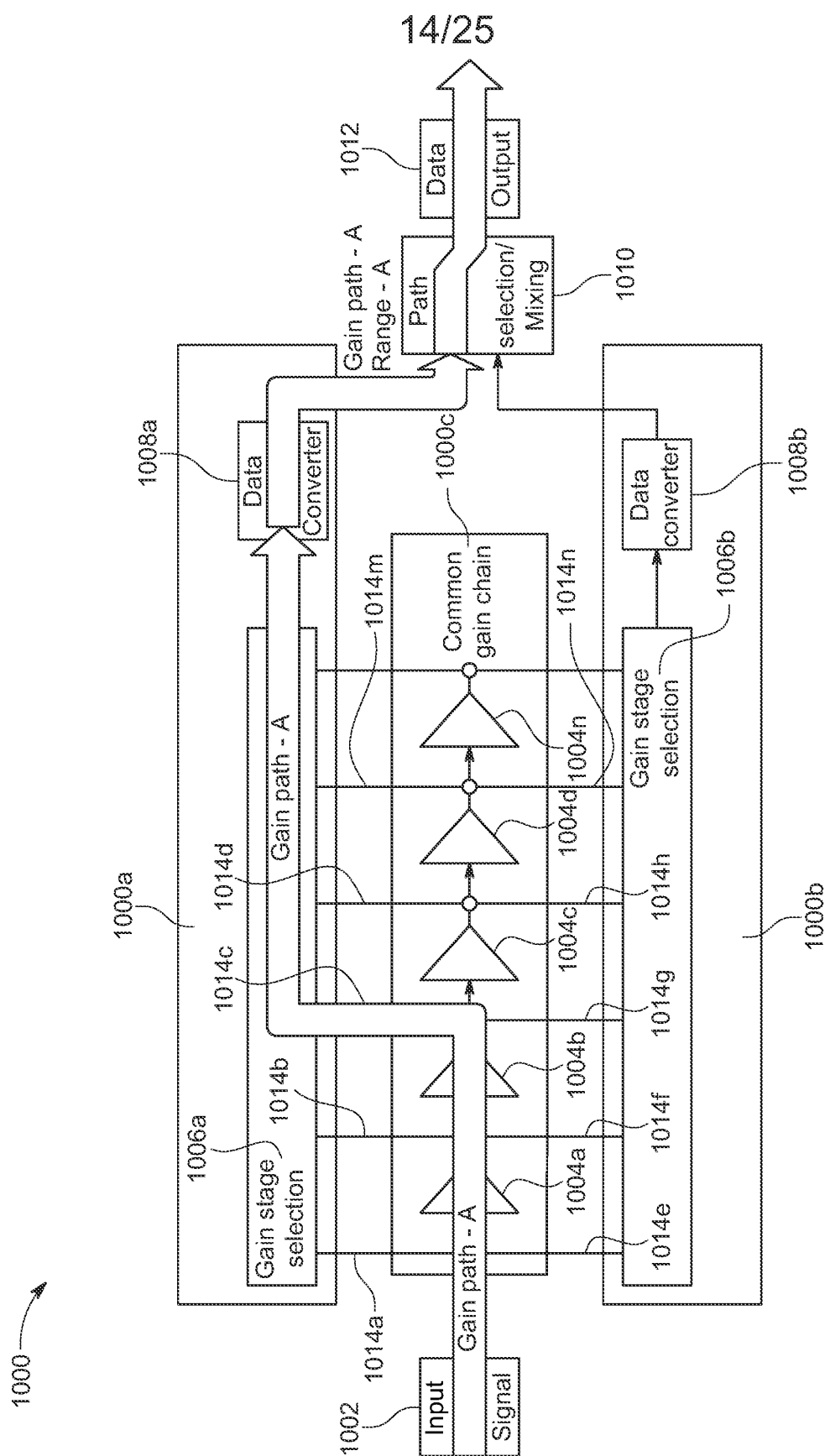
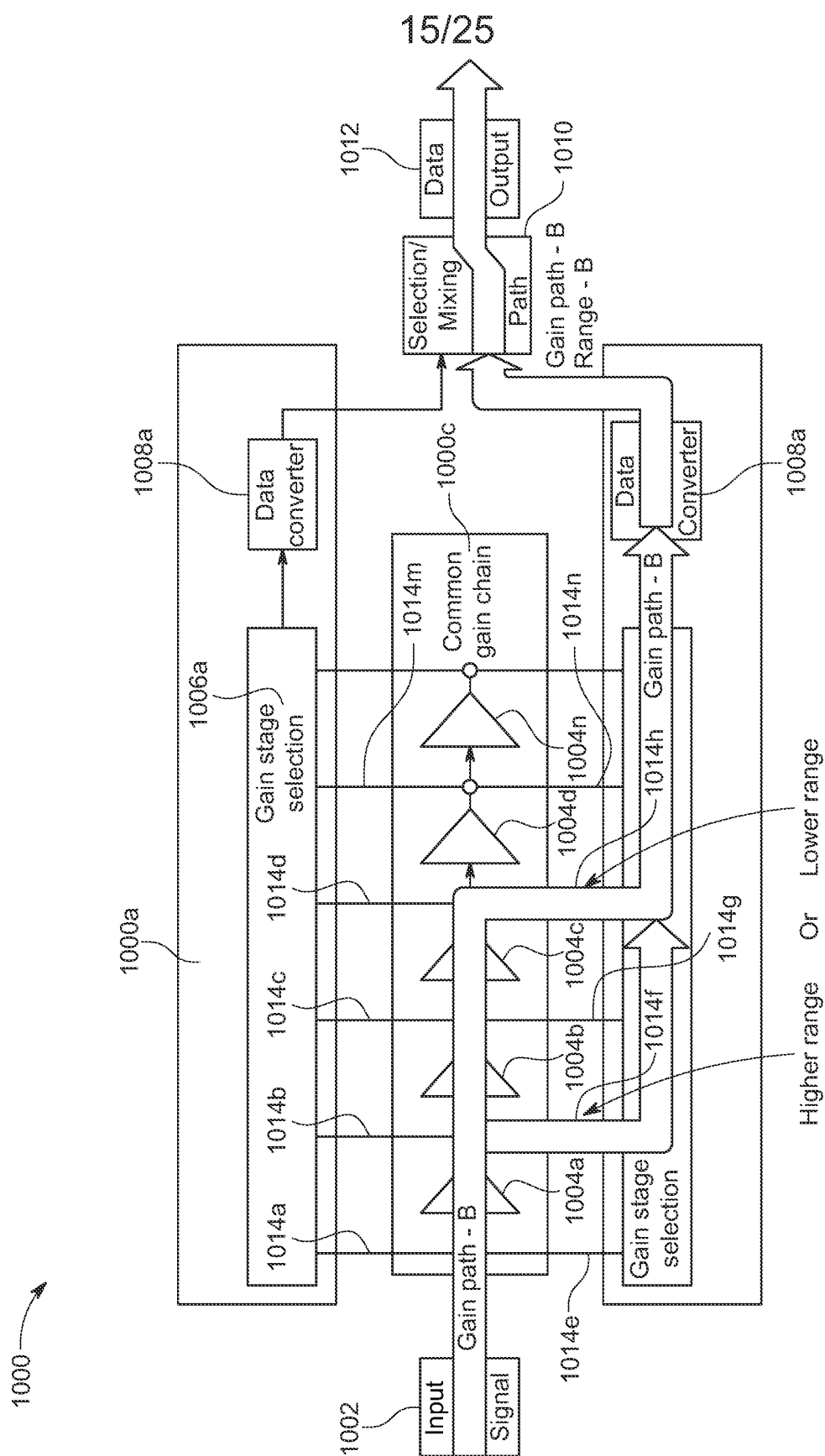


FIG. 10B



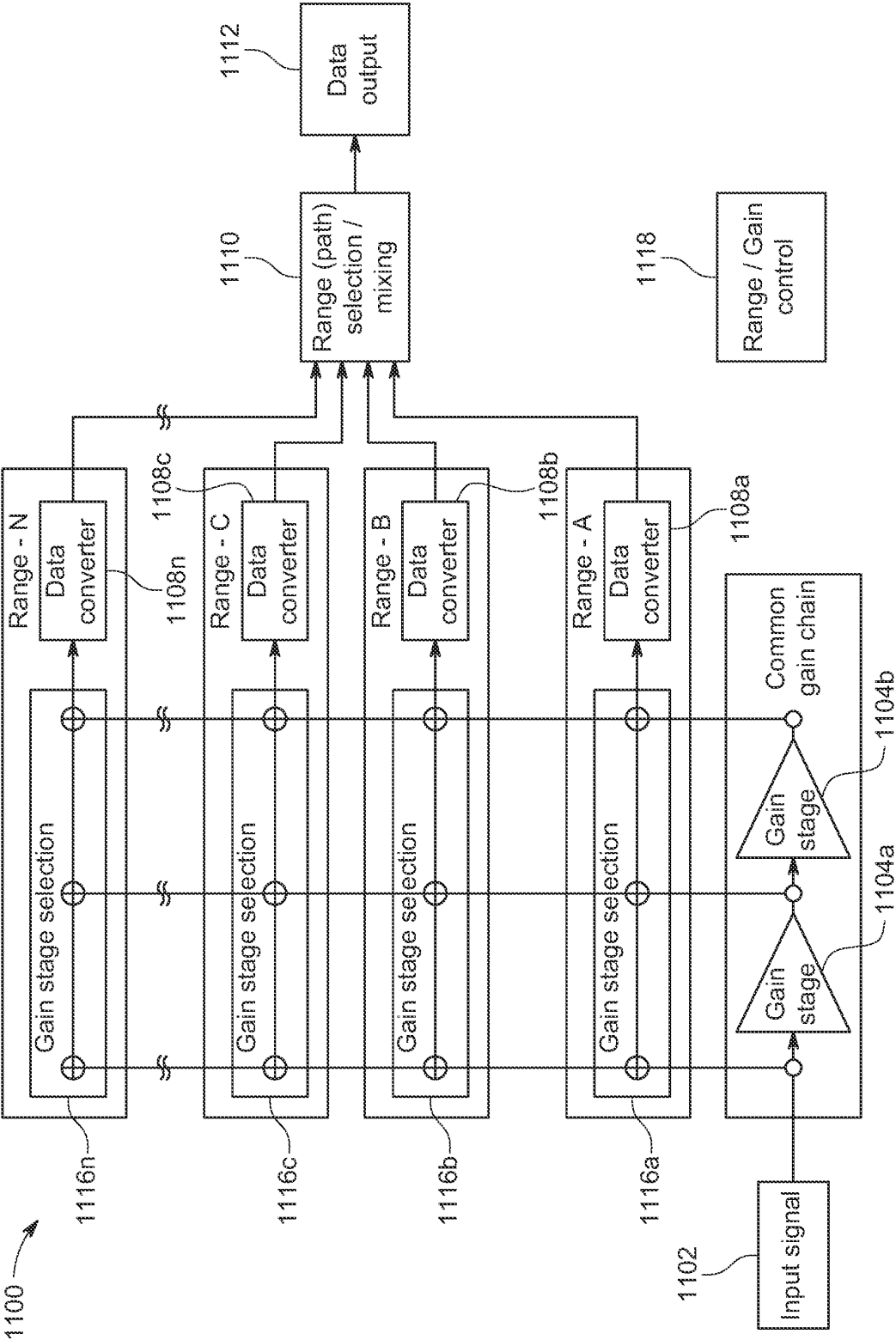


FIG. 11

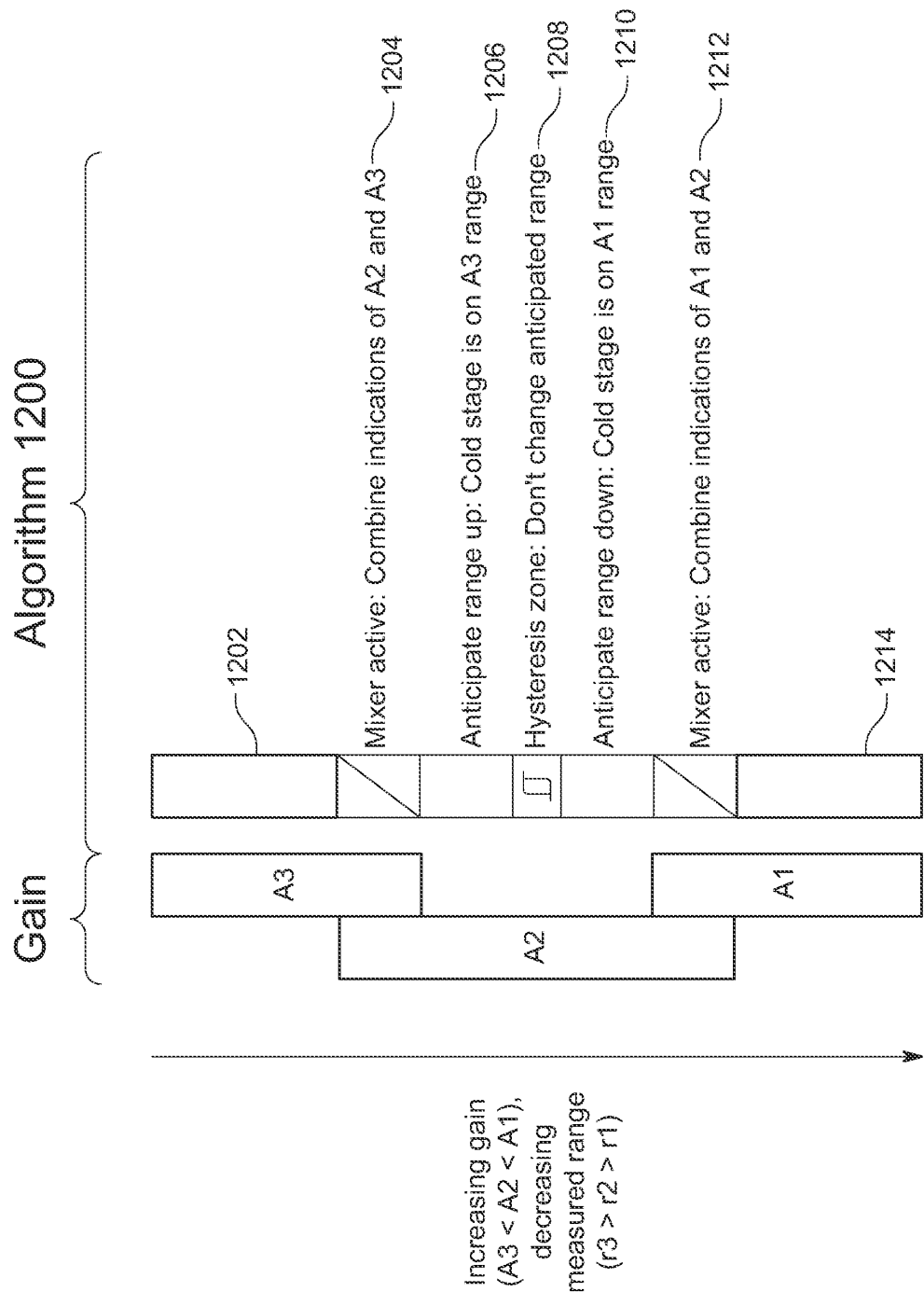


FIG. 12A

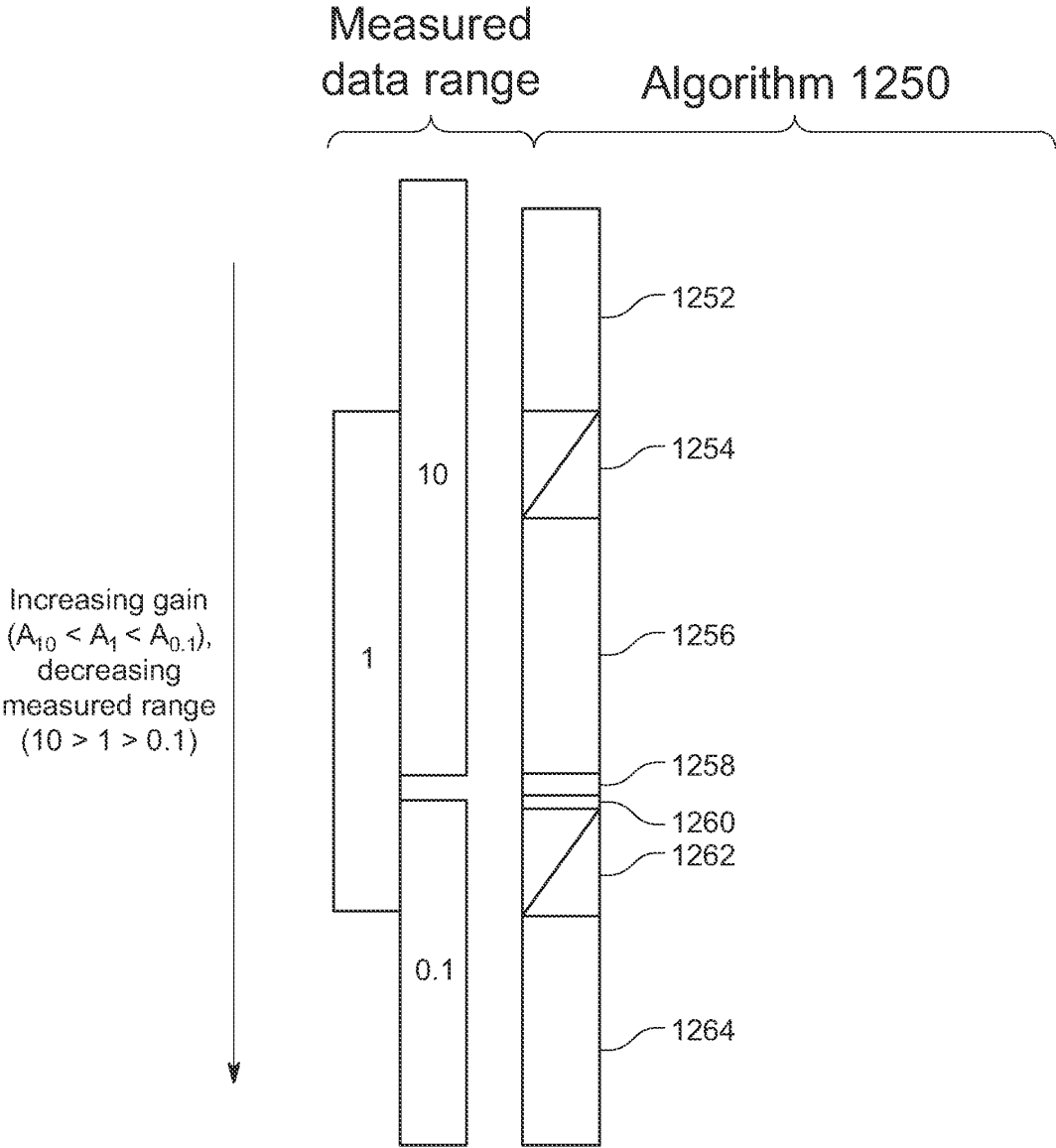


FIG. 12B

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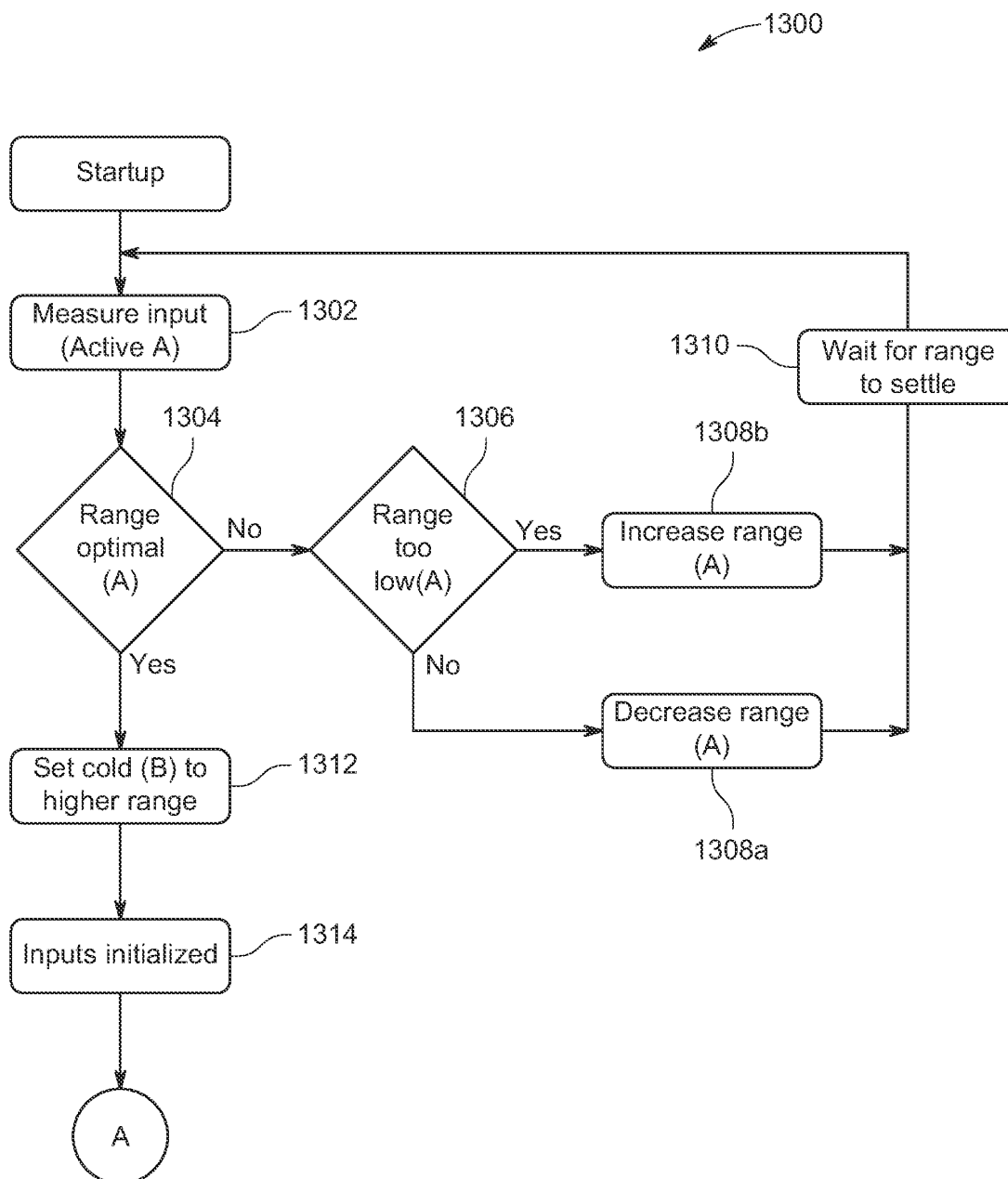


FIG. 13A

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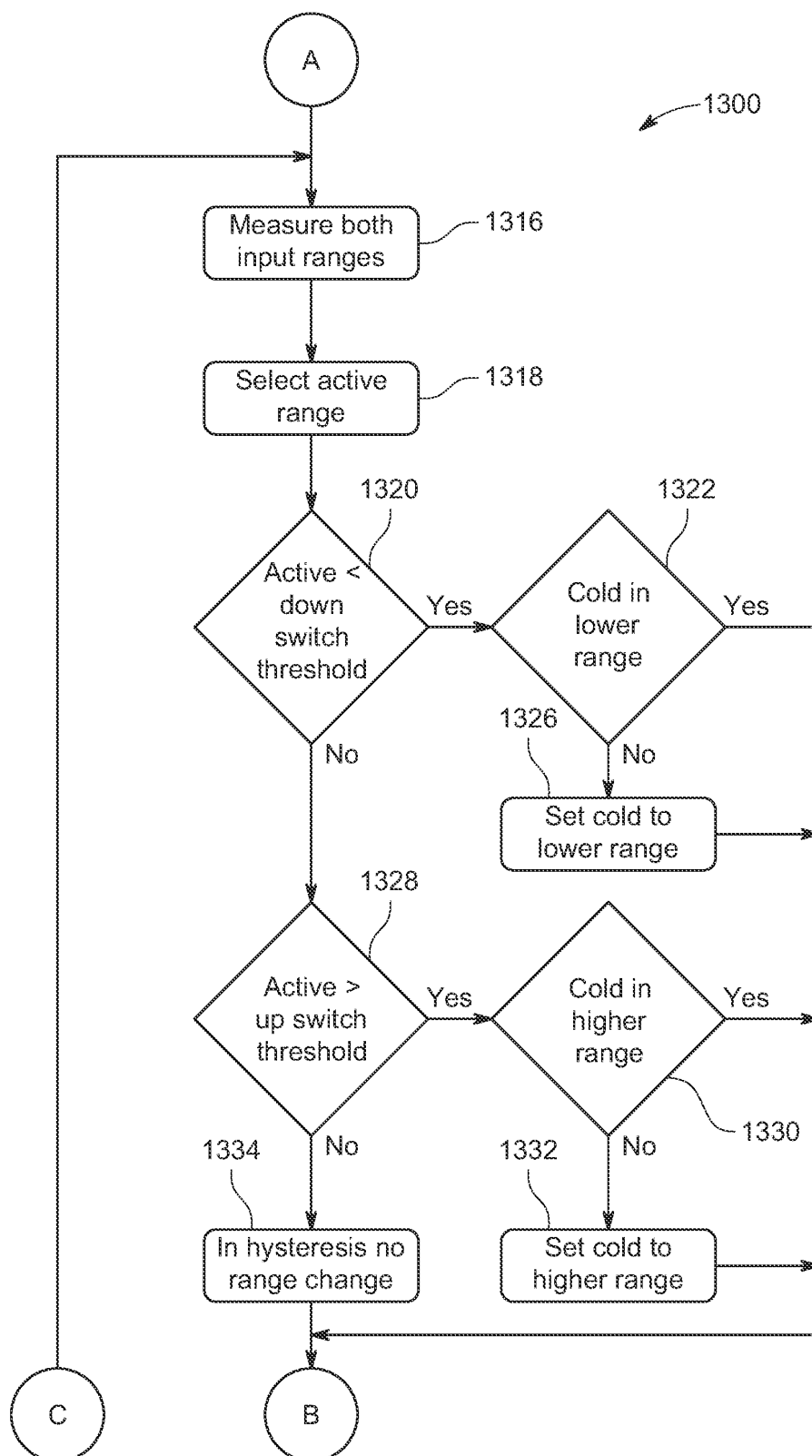


FIG. 13B

SUBSTITUTE SHEET (RULE 26)

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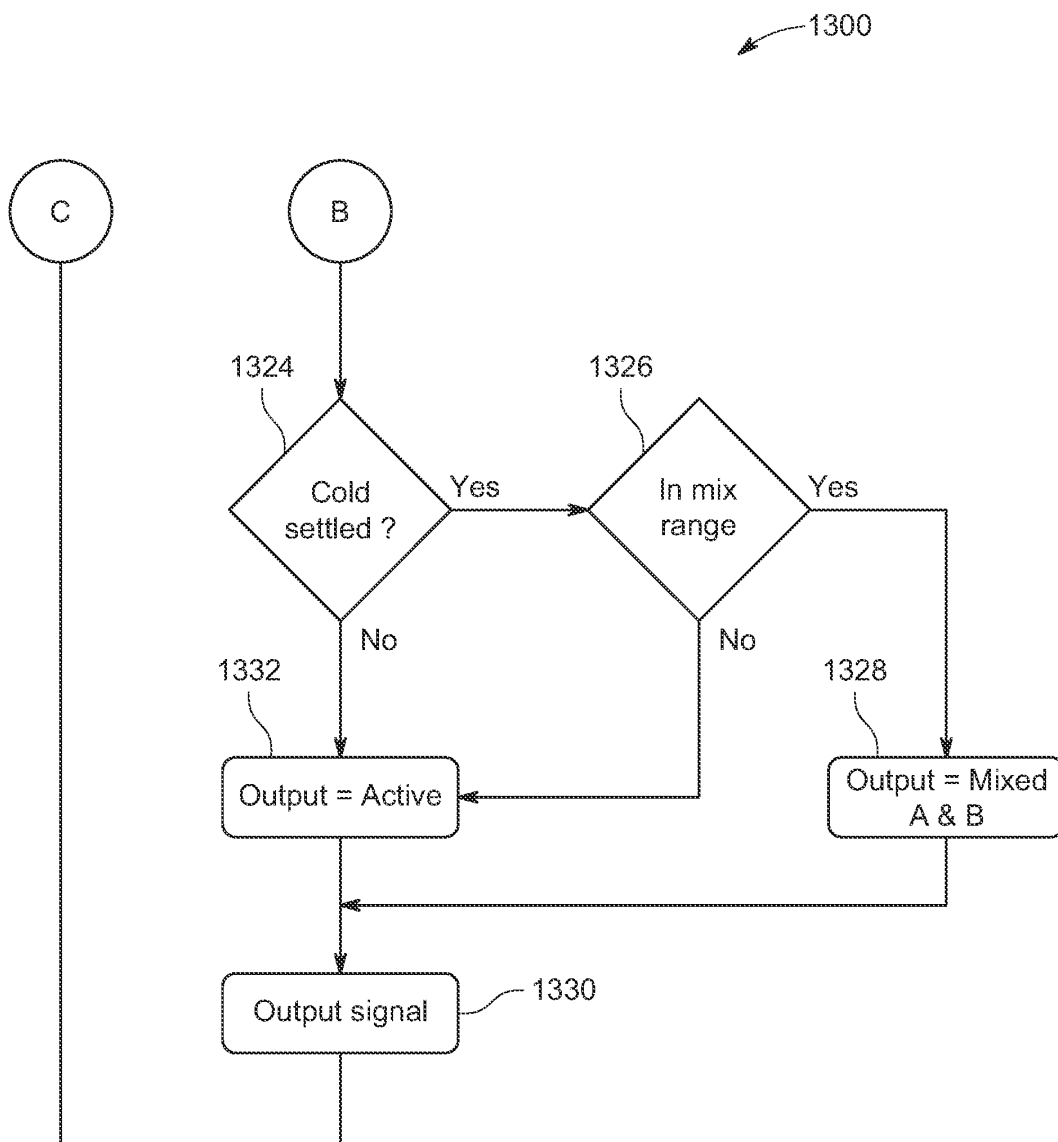


FIG. 13C

1400

Range enumeration	Input voltage	Enable preamp	Enable stage B	Enable stage C
0	1.2+	0	0	0
	1.1-1.2	Hold previous	0	0
1	1-1.1	1	0	0
1	0.7-1	1	0	0
1	0.12-0.7	1	0	0
	0.11-0.12	1	Hold previous	0
2	0.1-0.11	1	1	0
2	0.07-0.1	1	1	0
2	0.012-0.07	1	1	0
	0.011-0.012	1	1	Hold previous
3	0.01-0.011	1	1	1
3	0.007-0.01	1	1	1
3	0.0012-0.007	1	1	1
	0.0011-0.0012	1	1	1
4	0.001-0.0011	1	1	1
4	0.0007-0.001	1	1	1
4	<0.0007	1	1	1

A

FIG. 14

Range	Channel A gain	Channel B gain	Mixing	Description
10V	1	-	All A	Out of ranges
	1	Hold previous	All A	Hysteresis
1V	1	10	All A	Anticipate signal will decrease
1V	1	10	Active	Interpolating
1V	1	10	All B	Anticipate signal will increase
	Hold previous	10	All B	Hysteresis
100mV	100	10	All B	Anticipate signal will decrease
100mV	100	10	Active	Interpolating
100mV	100	10	All A	Anticipate signal will increase
	100	Hold previous	All A	Hysteresis
10mV	100	10000	All A	Anticipate signal will decrease
10mV	100	10000	Active	Interpolating
10mV	100	10000	All B	Anticipate signal will increase
	Hold previous	10000	All B	Hysteresis
1mV	10000	10000	All B	Anticipate signal will decrease
1mV	10000	10000	Active	Interpolating
1mV	10000	10000	All A	Out of ranges

FIG. 14 (Cont.)

A

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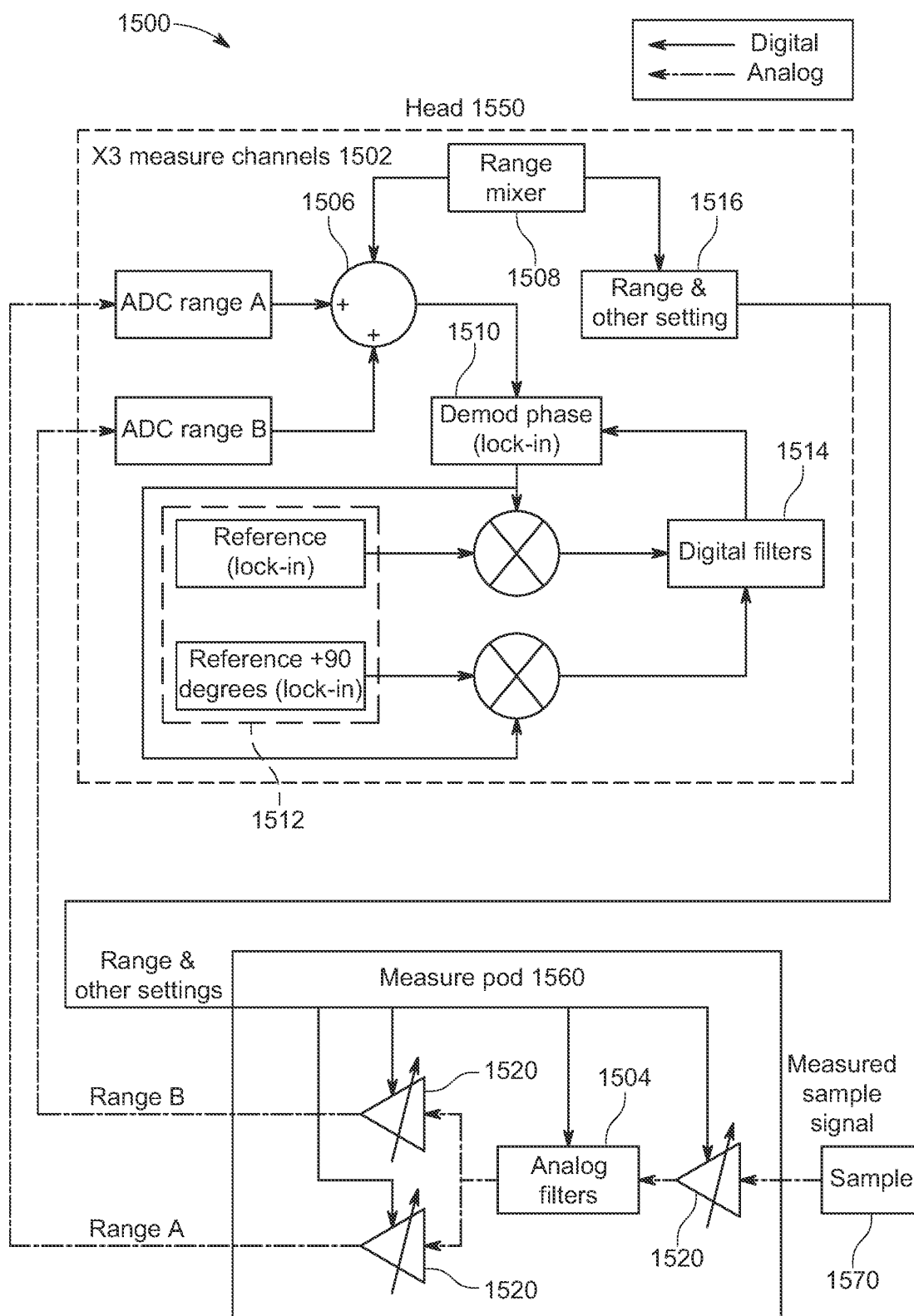


FIG. 15

SUBSTITUTE SHEET (RULE 26)

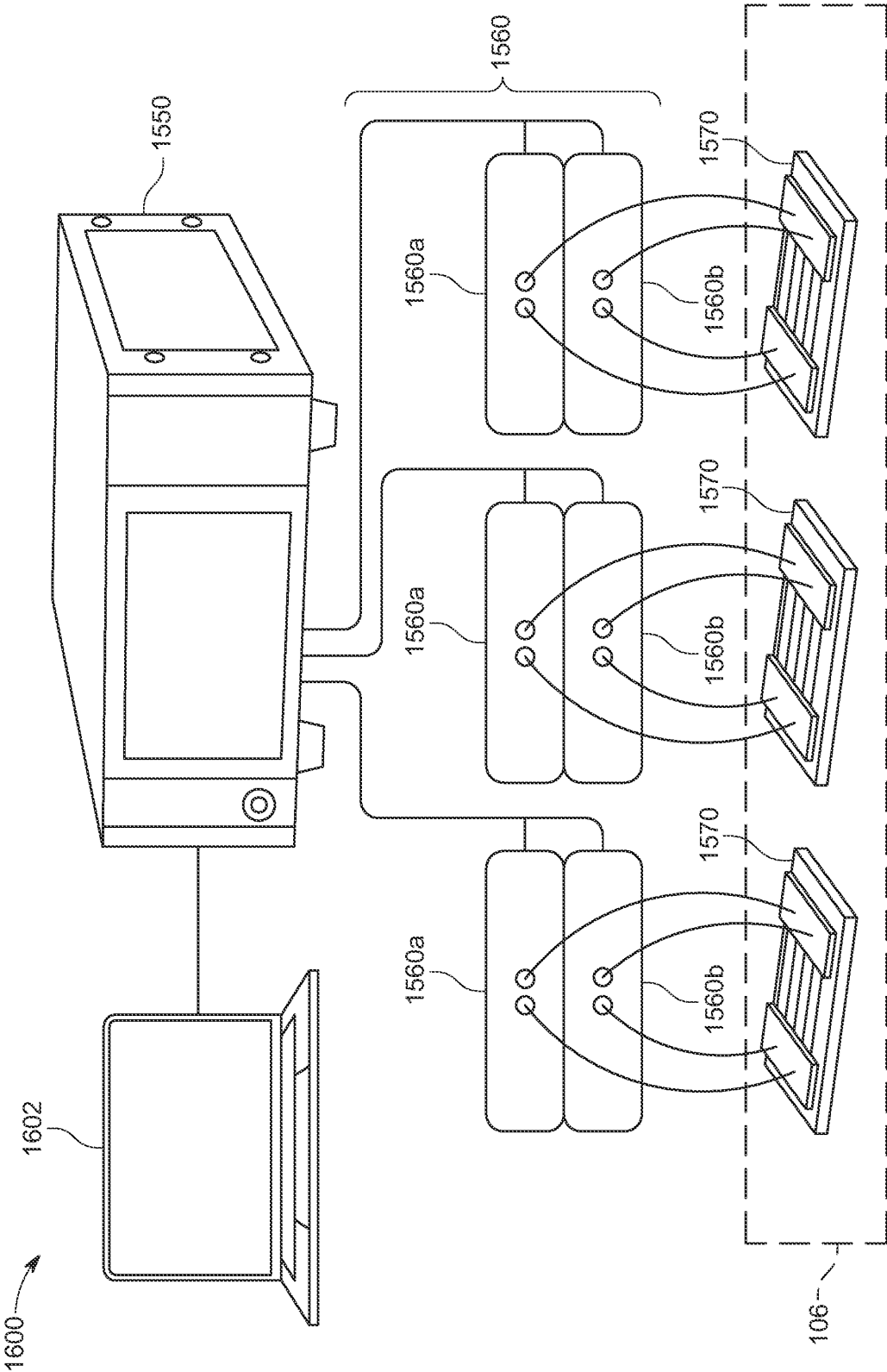


FIG. 16