

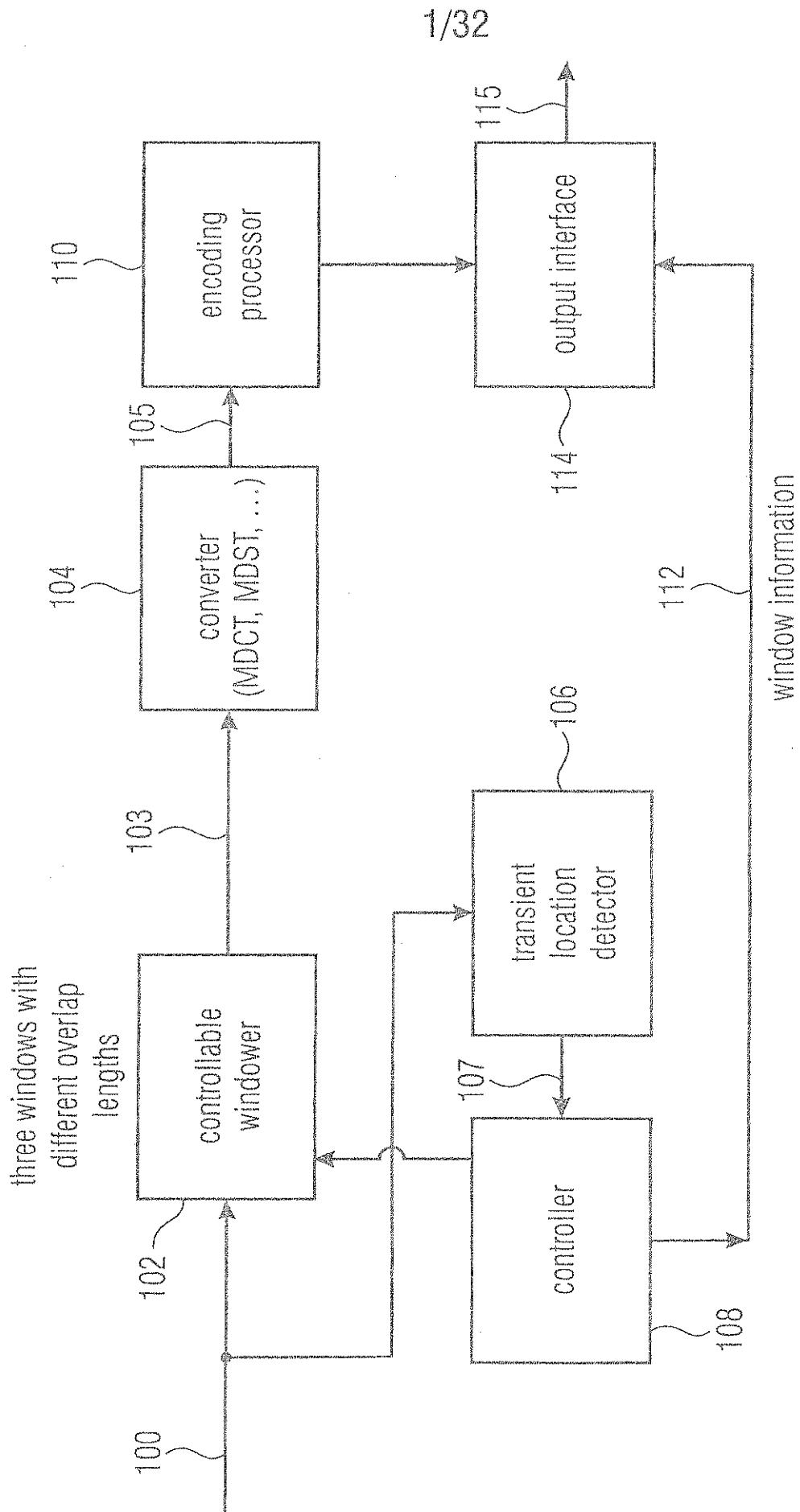


FIG 1A
(ENCODER)

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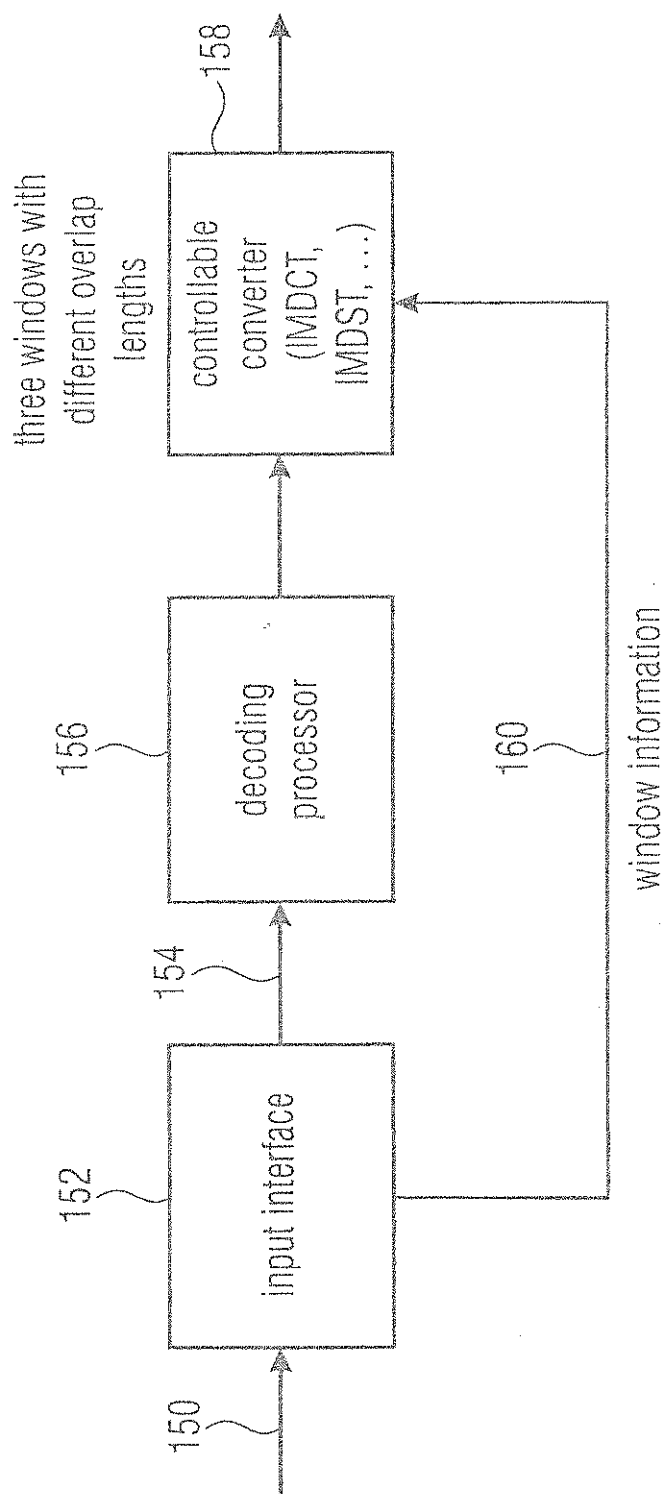
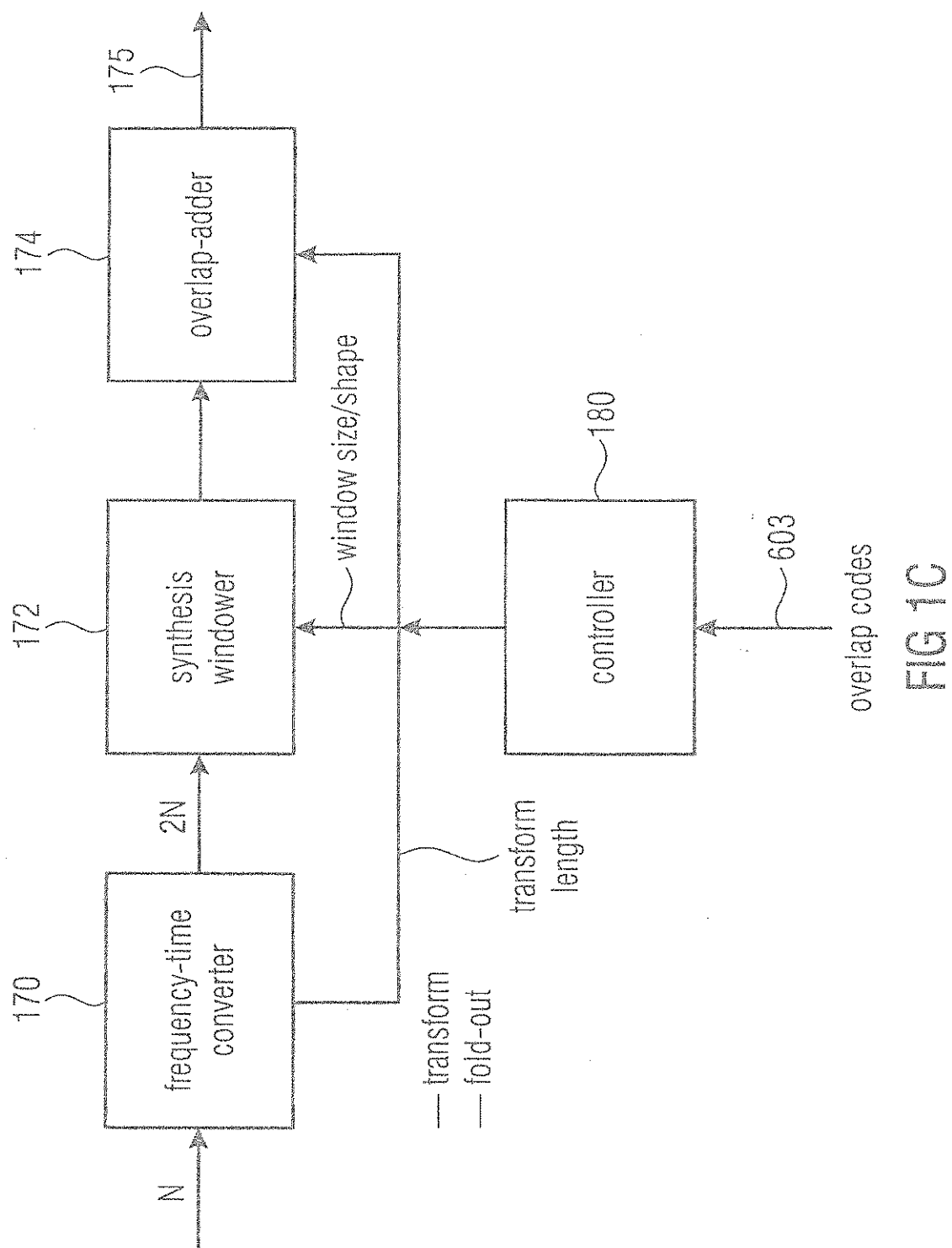


FIG 1B
(DECODER)

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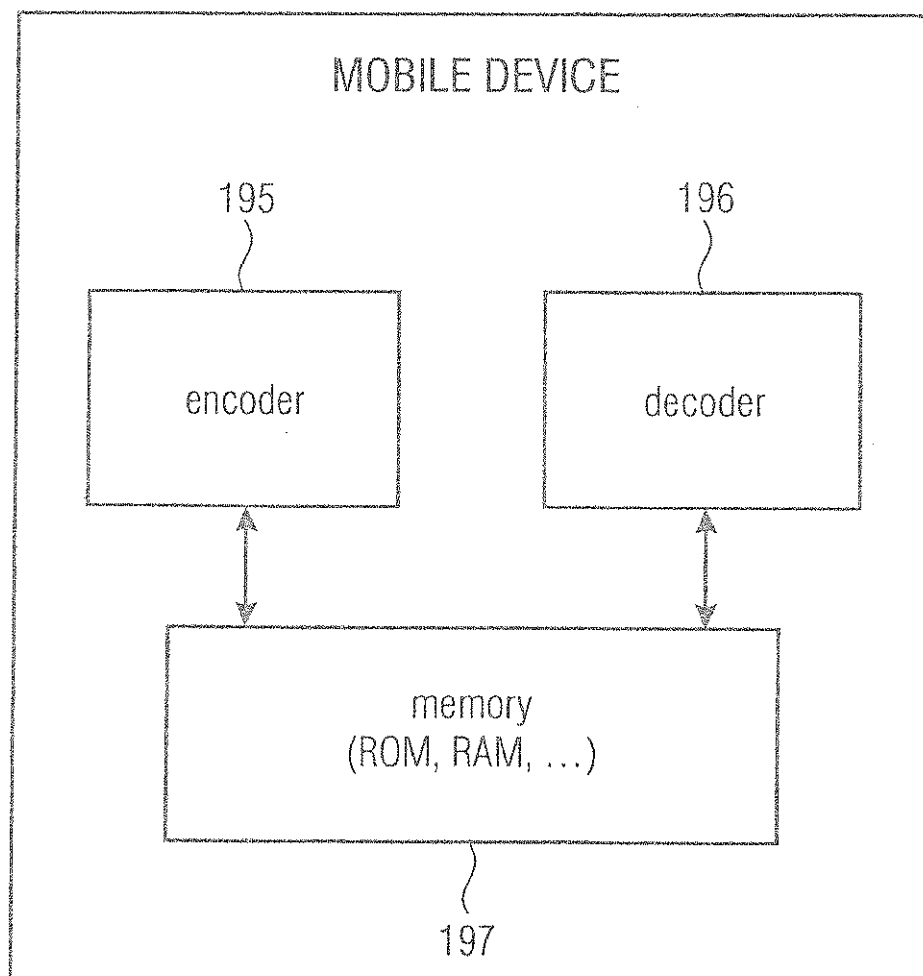
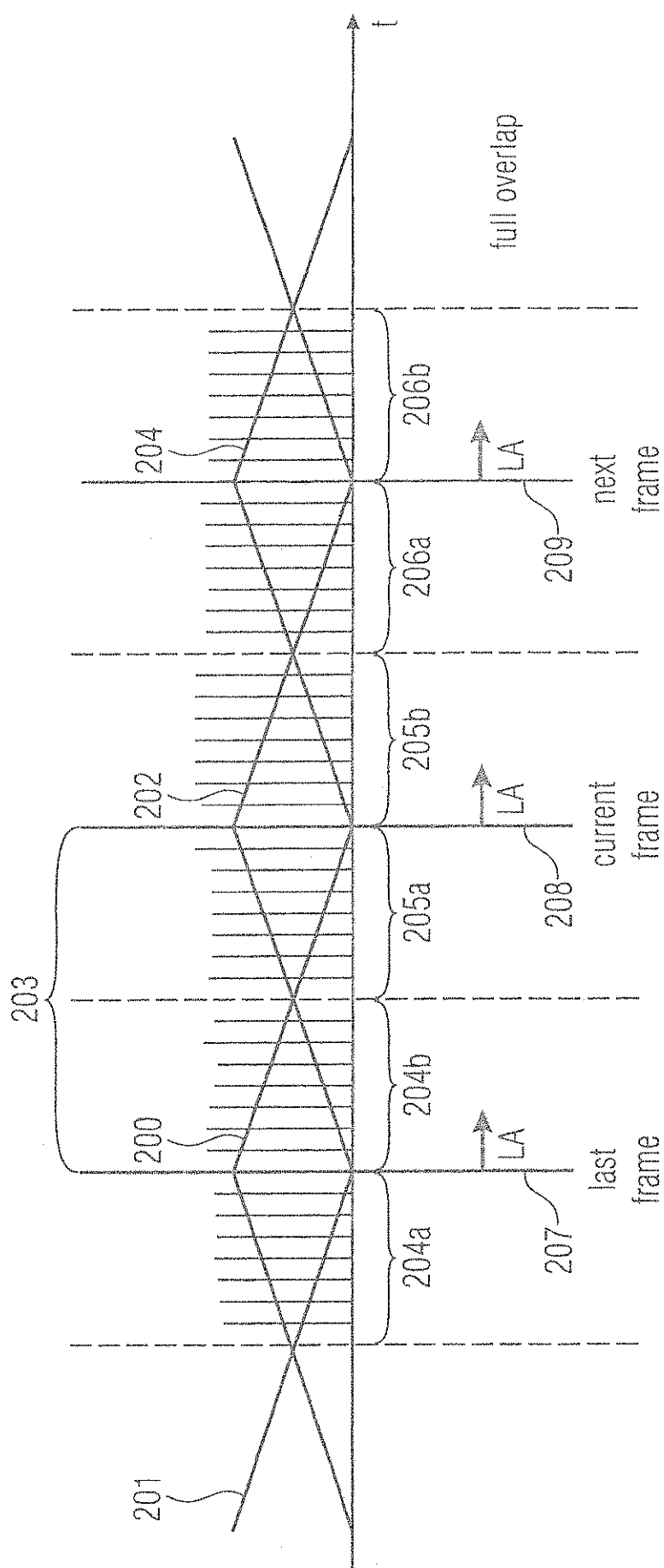
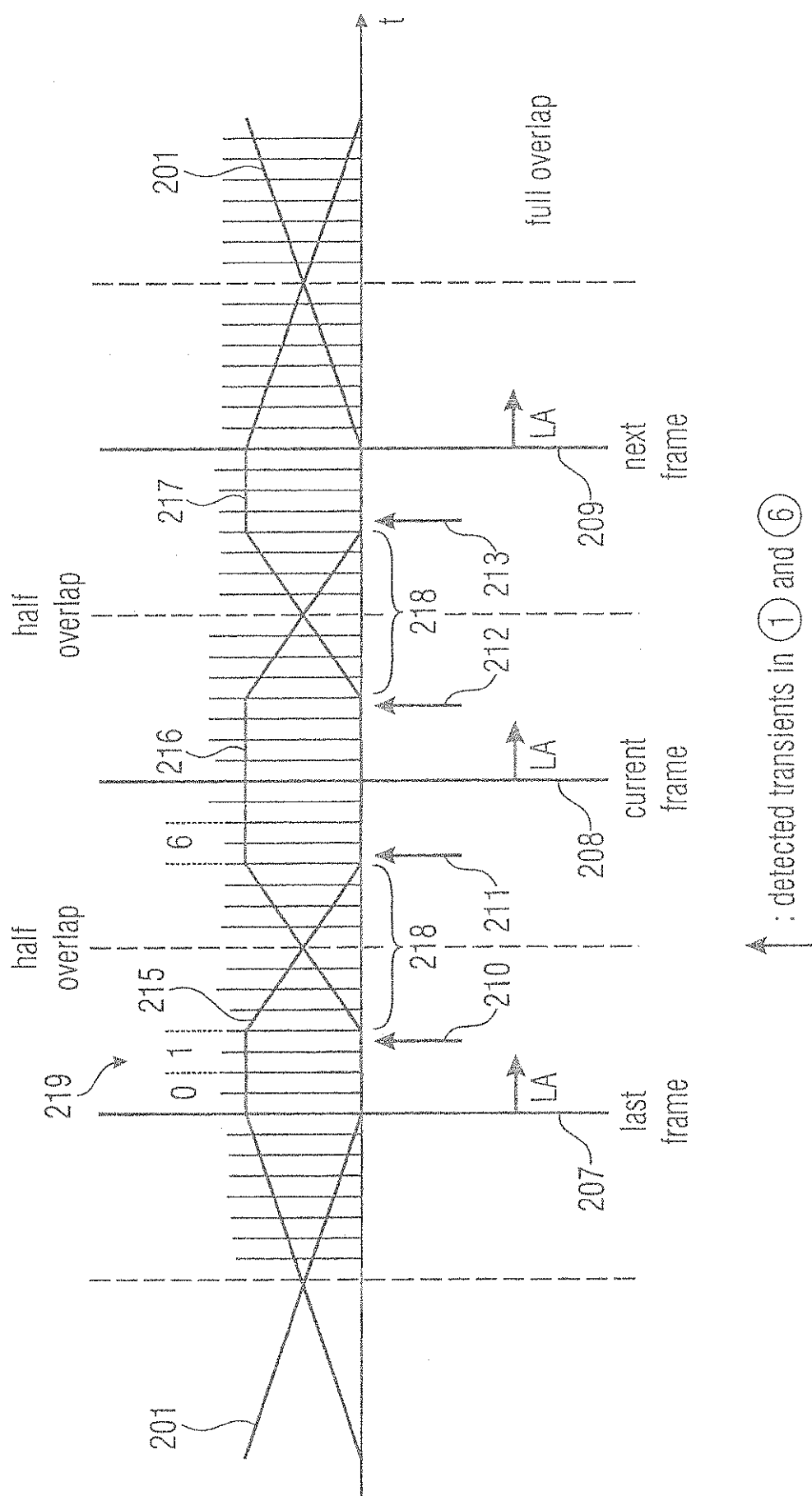


FIG 1D

no transients detected

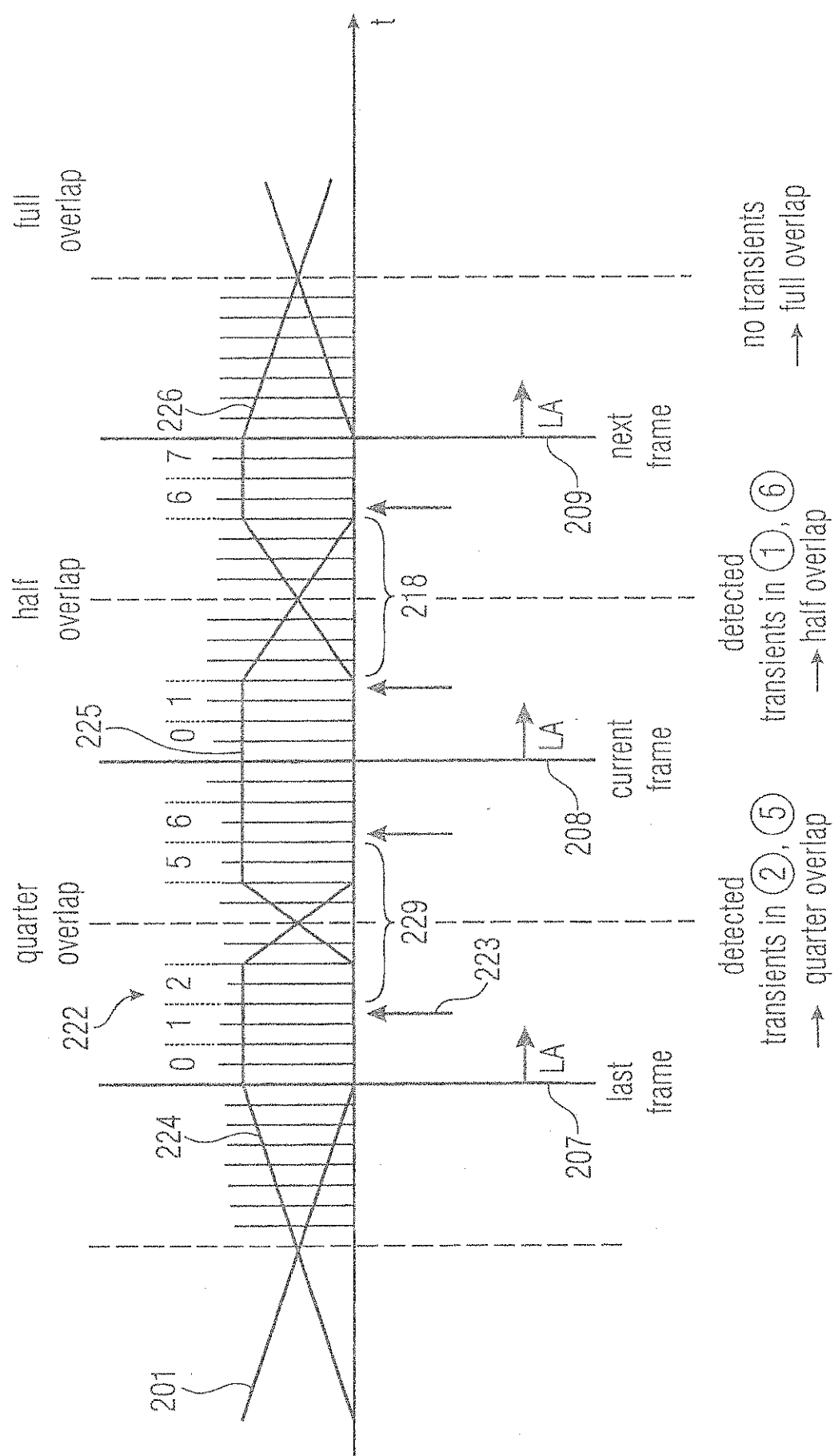
AGL

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↑ : detected transients in ① and ⑥

FIG 2B



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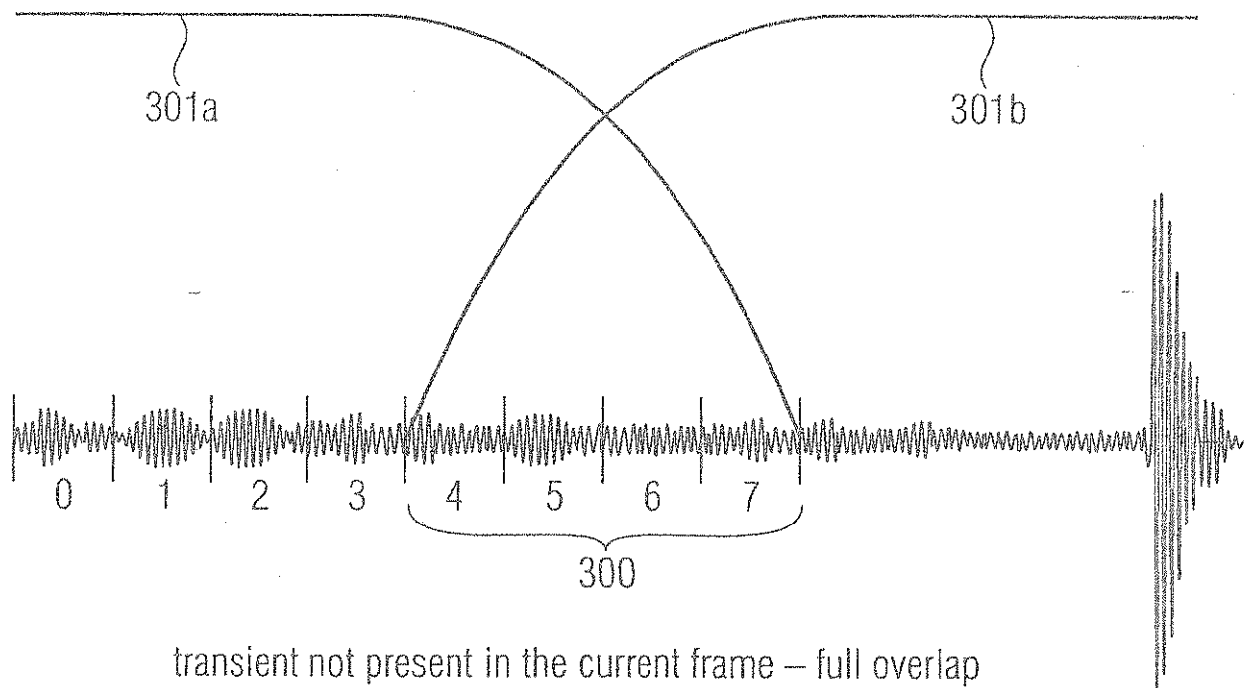
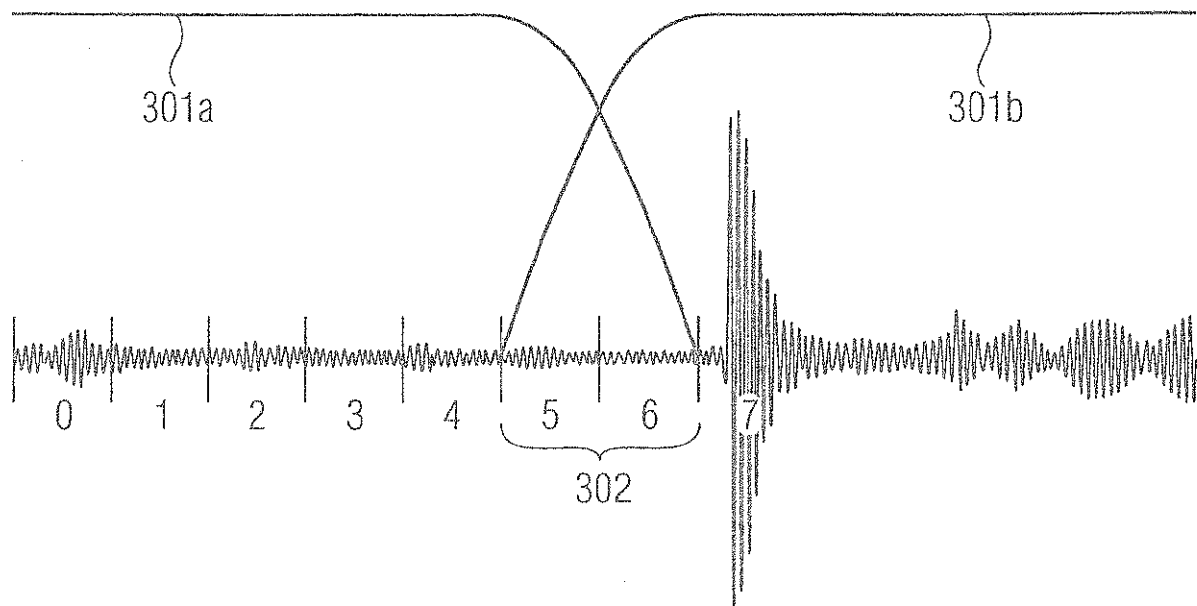


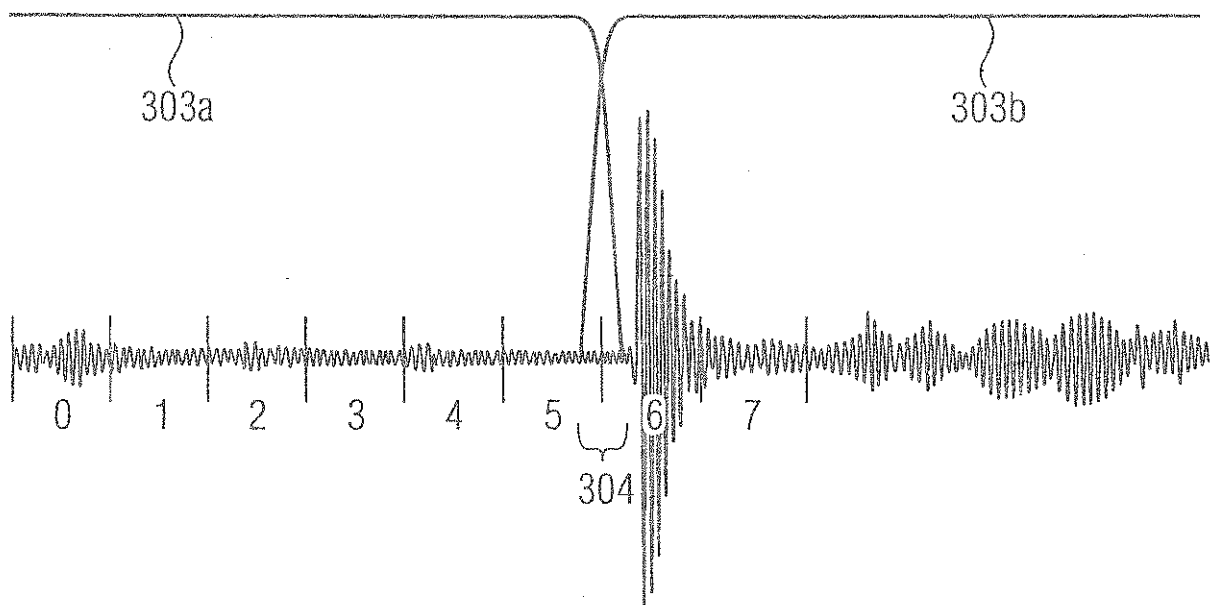
FIG 3A

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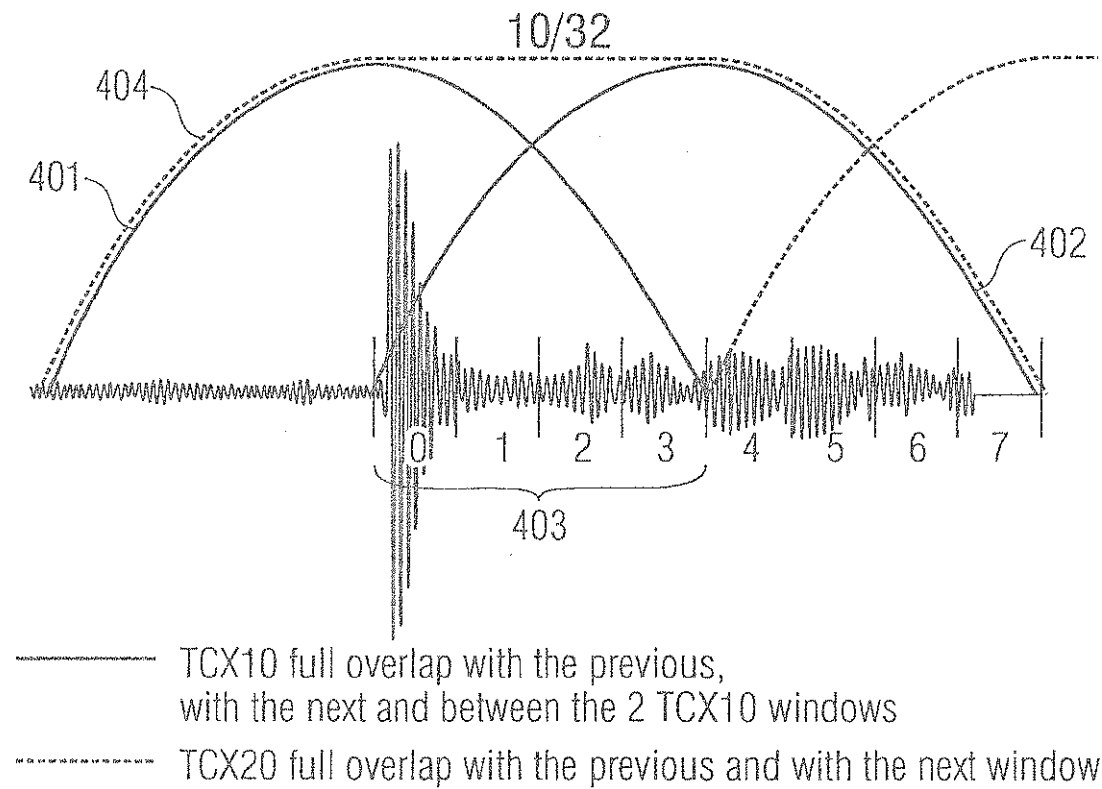
transient in the 7th sub-block – half overlap

FIG 3B



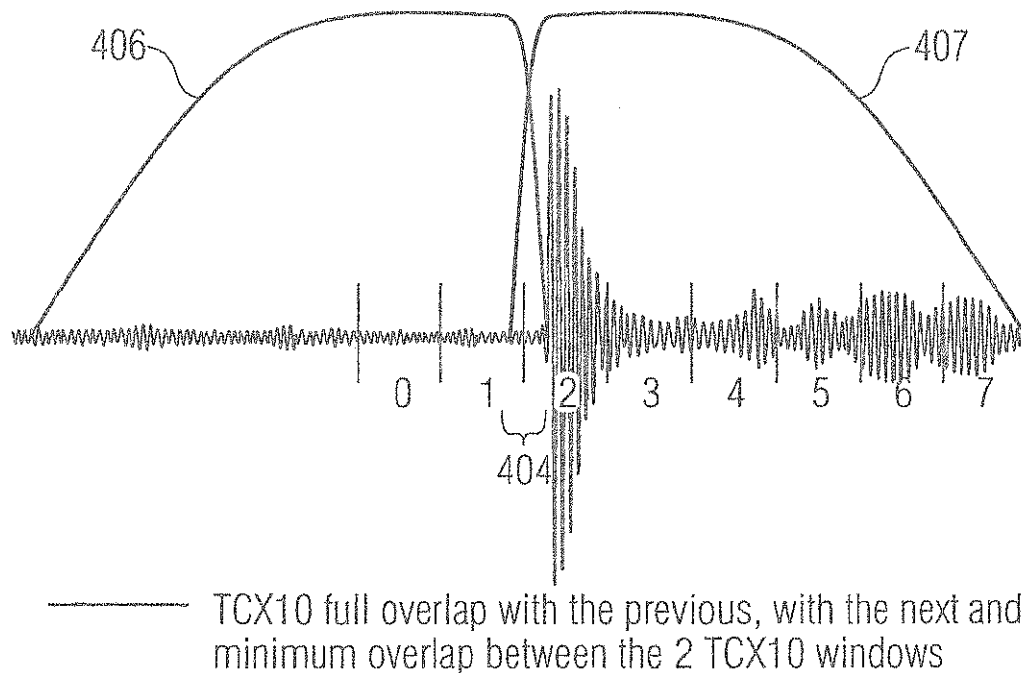
transient in the 6th sub-block – minimal overlap

FIG 3C



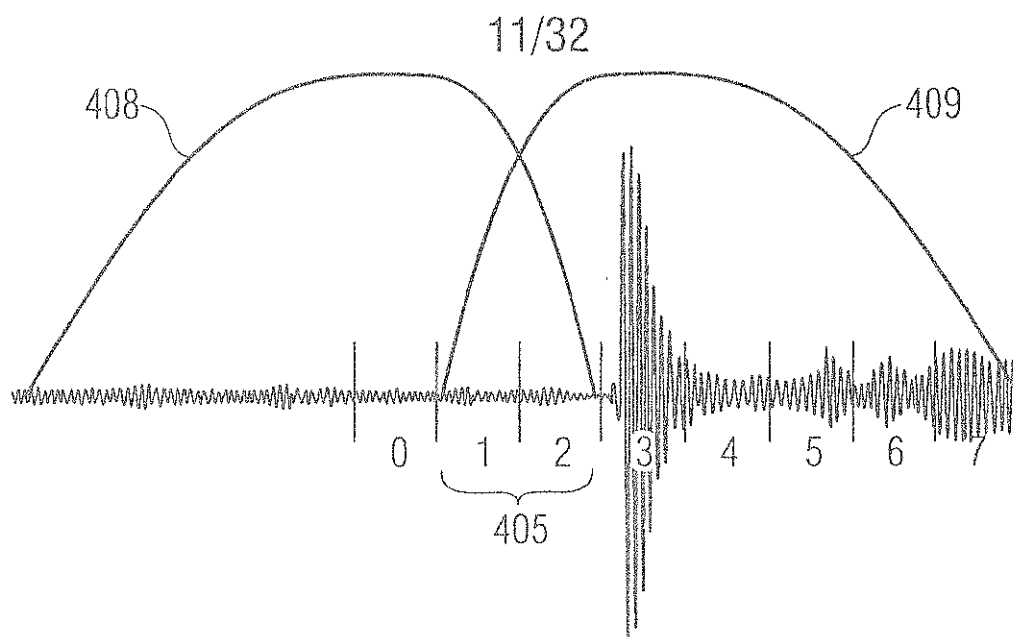
transient in the 0th or 1st sub-block
(An example TCX20 window with full overlap on both sides is drawn as a reference.)

FIG 4A



transient in the 2nd sub-block

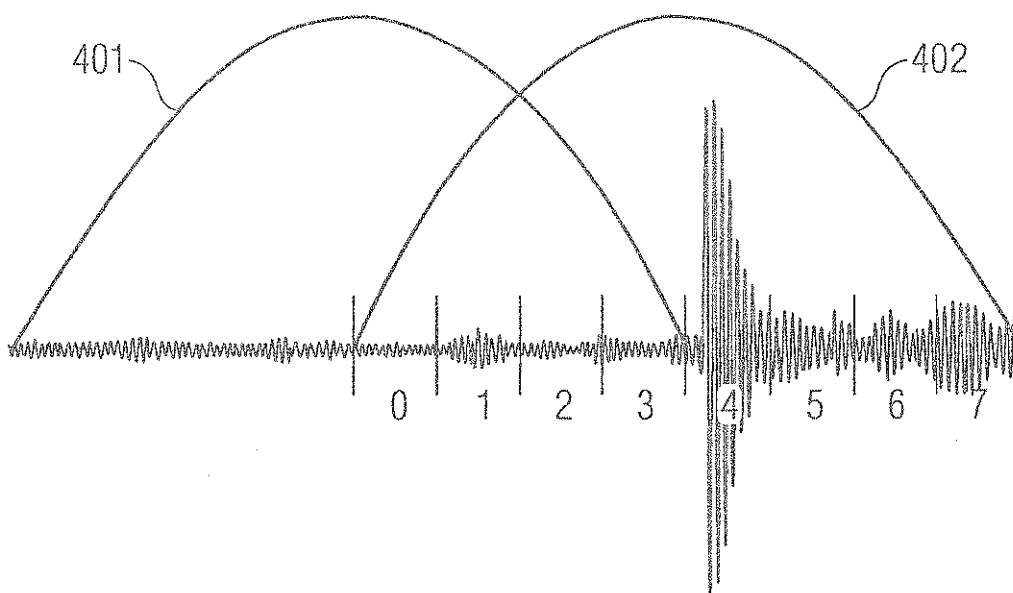
FIG 4B



TCX10 full overlap with the previous, with the next
and half overlap between the 2 TCX10 windows

transient in the 3rd sub-block

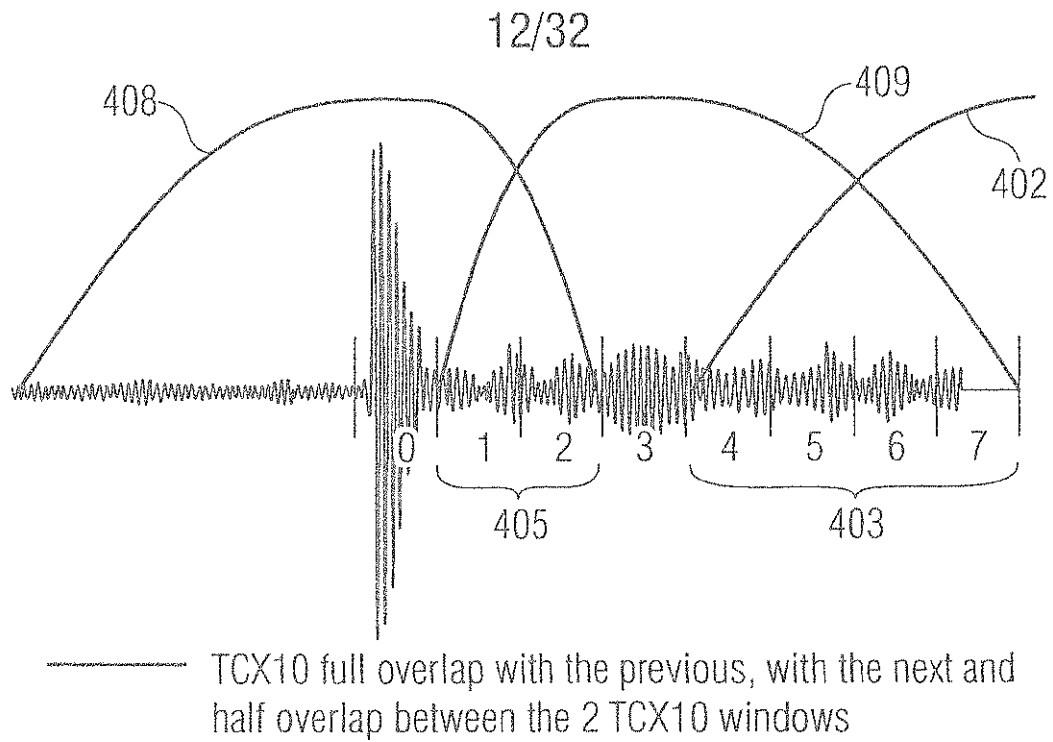
FIG 4C



TCX10 full overlap with the previous,
with the next and between the 2 TCX10 windows

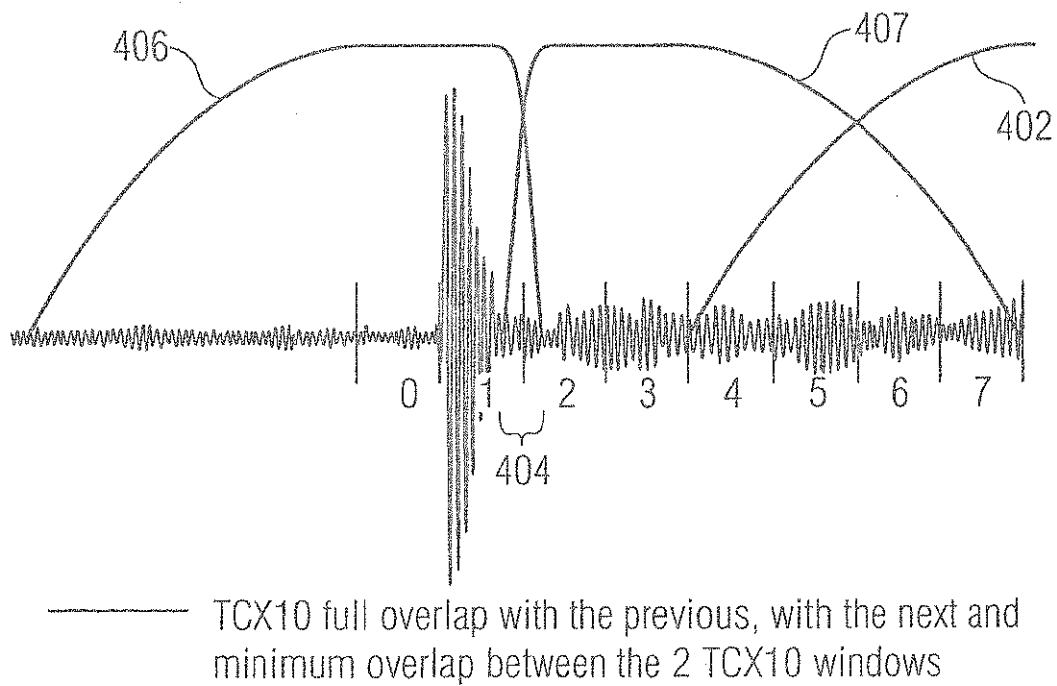
transient in the 4th or 5th sub-block

FIG 4D



transient in the 0th sub-block

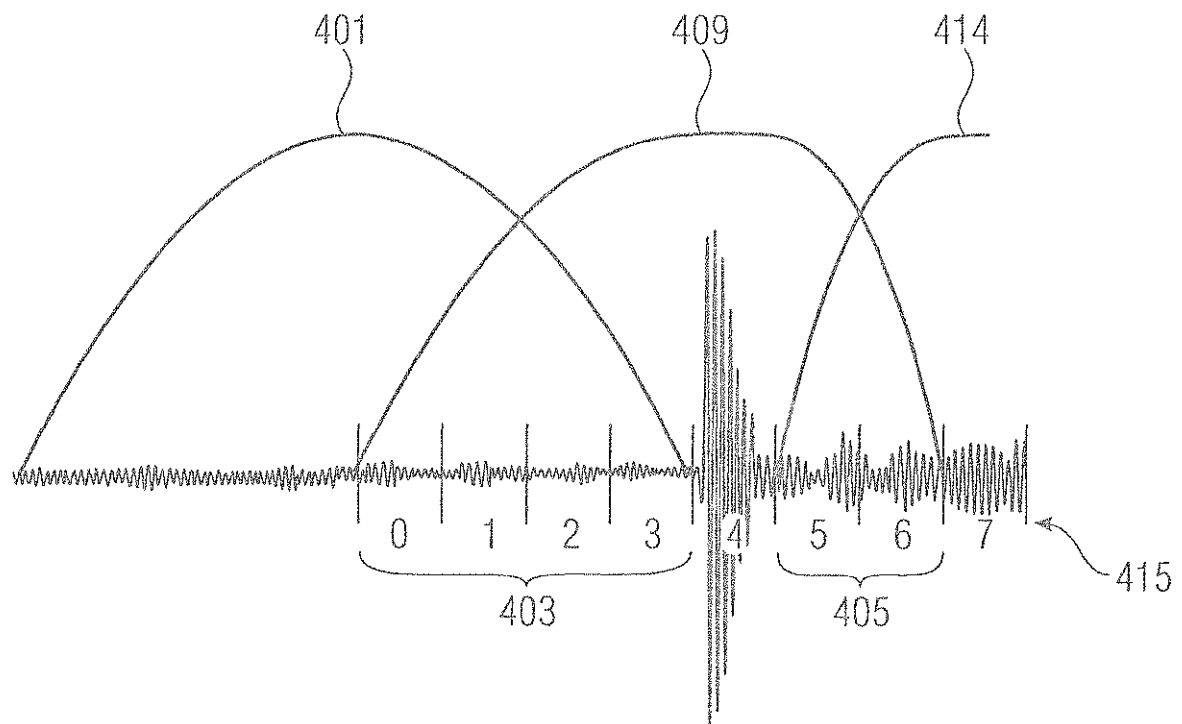
FIG 4E



transient in the 1st sub-block

FIG 4F

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—— TCX10 full overlap with the previous,
between the 2 TCX10 and half overlap
with the next windows

transient in the 4th sub-block

FIG 4G

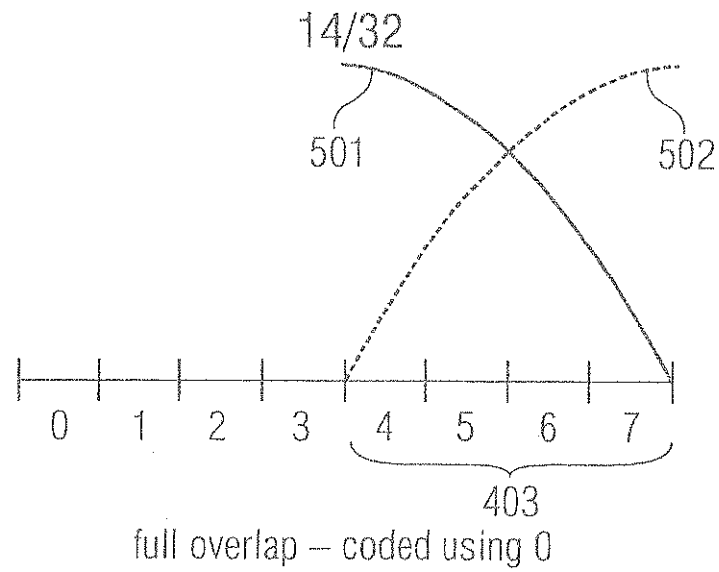


FIG 5A

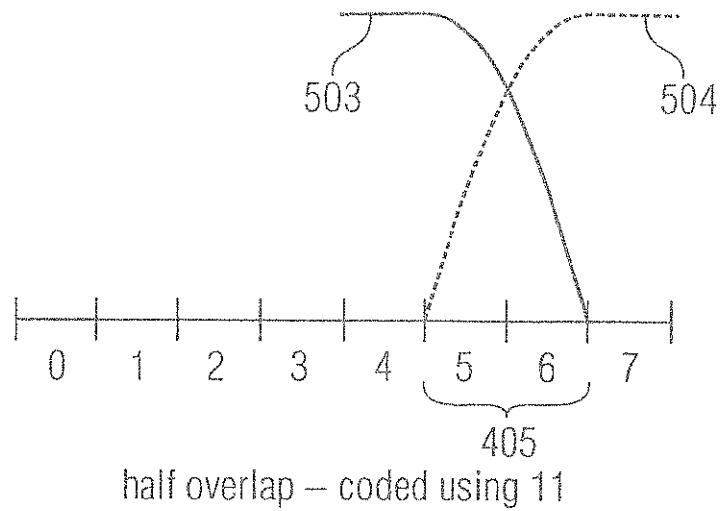


FIG 5B

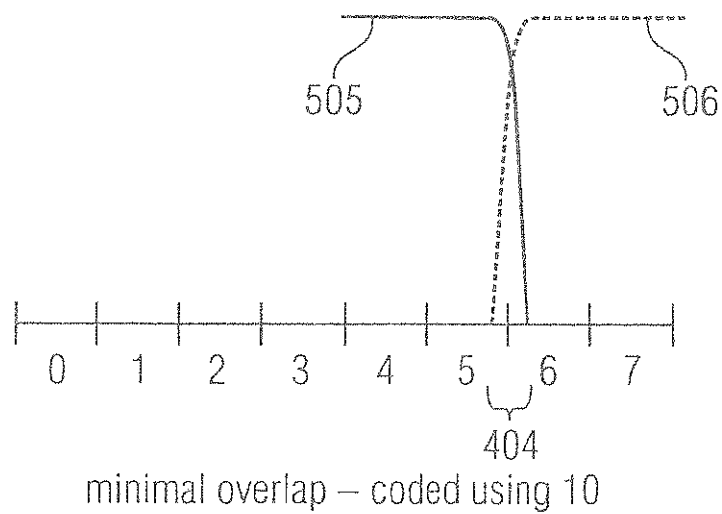


FIG 5C

604 transient position index	605 overlap with the first window of the following frame	600 short/long transform decision (binary coded) 0 – long, 1 – short	602 binary code for the overlap width	603 overlap code
none	full	0	0	00
-2	full	1	0	10
-1	full	1	0	10
0	full	1	0	10
1	full	1	0	10
2	half	1	11	111
3	half	1	11	111
4	half	1	11	111
5	minimal	1	10	110
6	minimal	0	10	010
7	half	0	11	011

coding of the overlap and the transform length based on the transient position

FIG 6A

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previous overlap code current overlap code	606							
	00	10	111	110	010	011	608	
00	TCX20	TCX20	TCX20	TCX20	TCX20	TCX20	TCX20	
10	2xTCX5, TCX10	2xTCX5, TCX10	2xTCX5, TCX10	2xTCX5, TCX10	2xTCX5, TCX10	2xTCX5, TCX10	2xTCX5, TCX10	
111	TCX10, 2xTCX5	TCX10, 2xTCX5	4xTCX5	4xTCX5	4xTCX5	4xTCX5	4xTCX5	
110	TCX10, 2xTCX5	TCX10, 2xTCX5	4xTCX5	4xTCX5	4xTCX5	4xTCX5	4xTCX5	
010	TCX20	TCX20	TCX20	TCX20	TCX20	TCX20	TCX20	
011	TCX20	TCX20	TCX20	TCX20	TCX20	TCX20	TCX20	

transform lengths decision table

FIG 6B

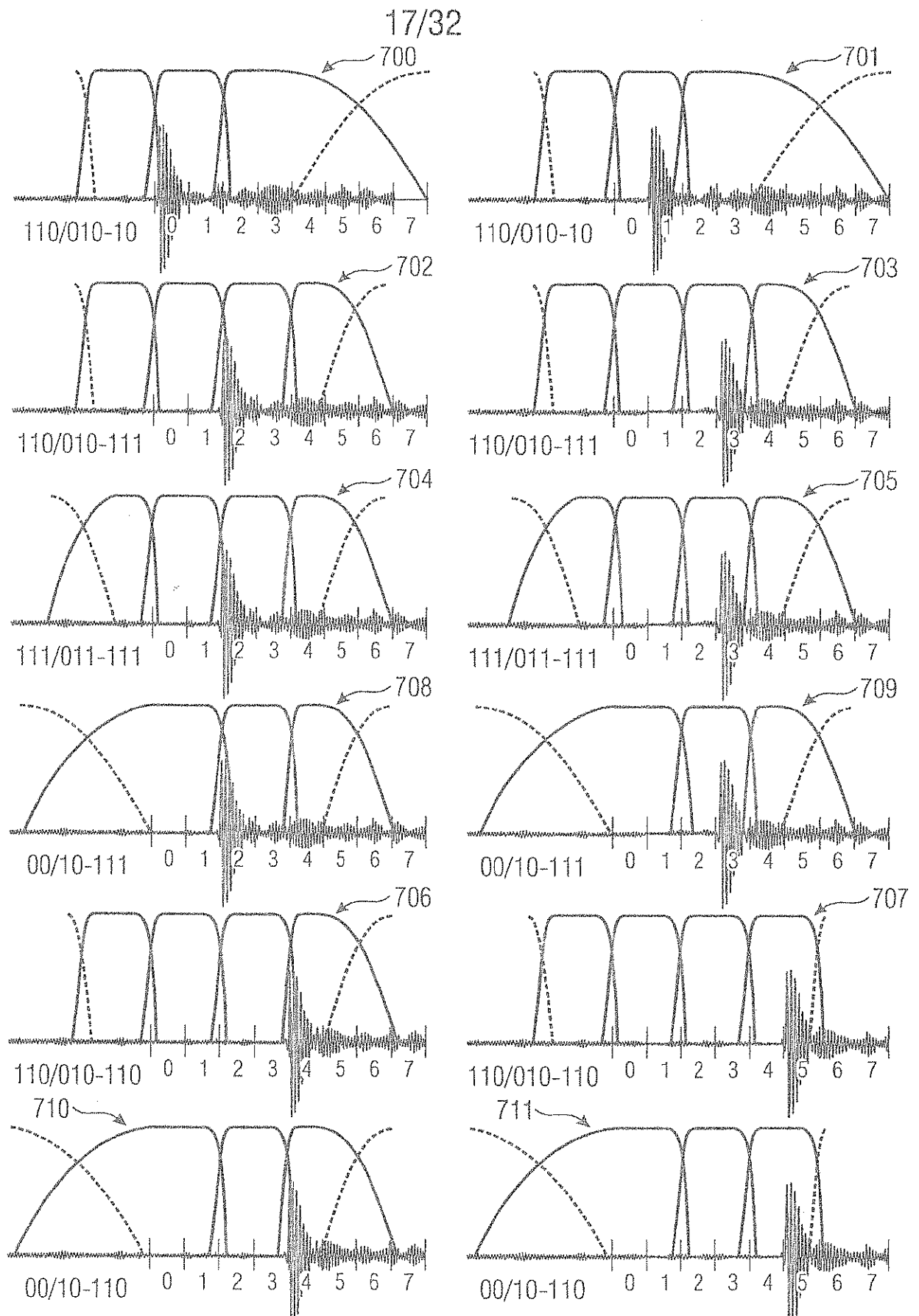


FIG 7

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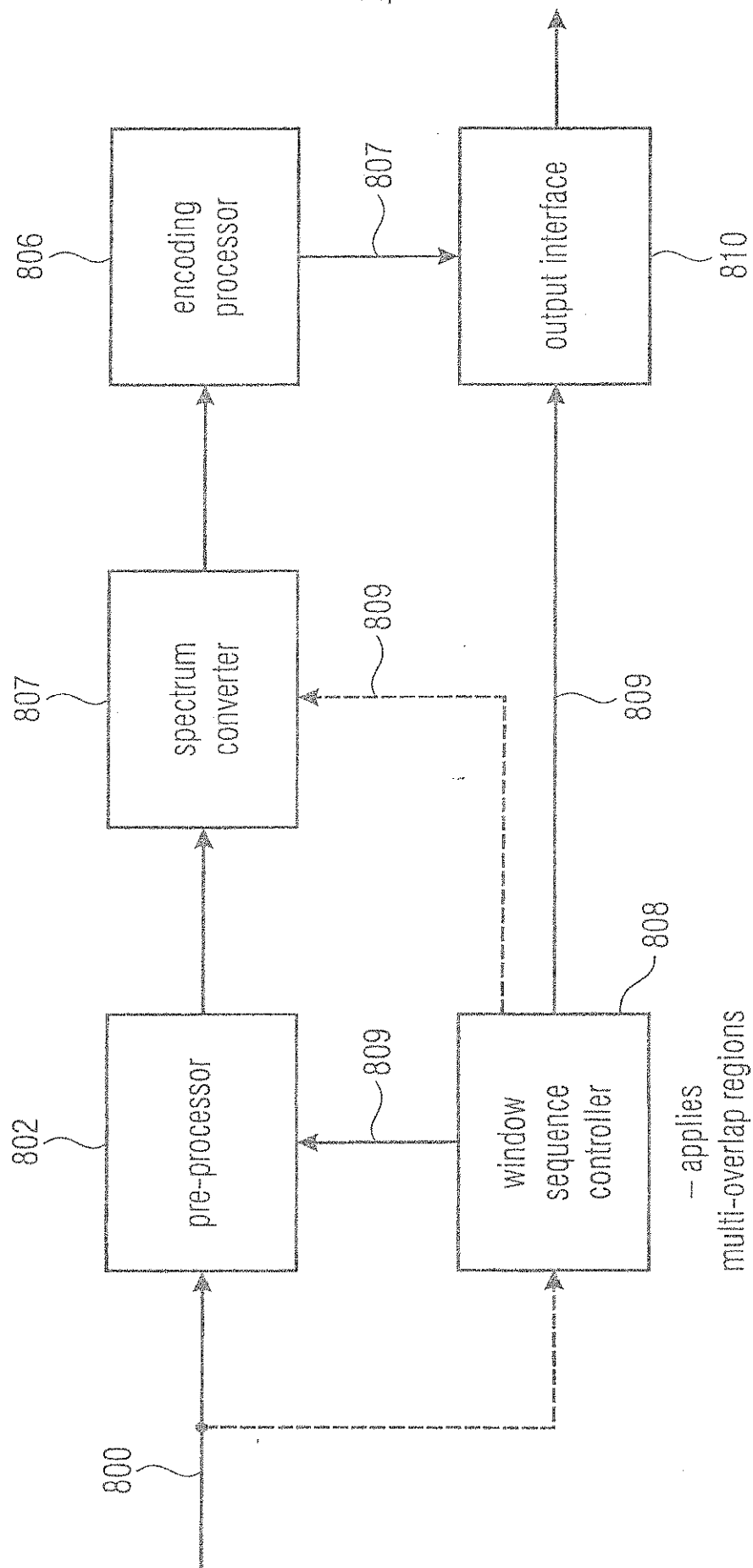


FIG 8A

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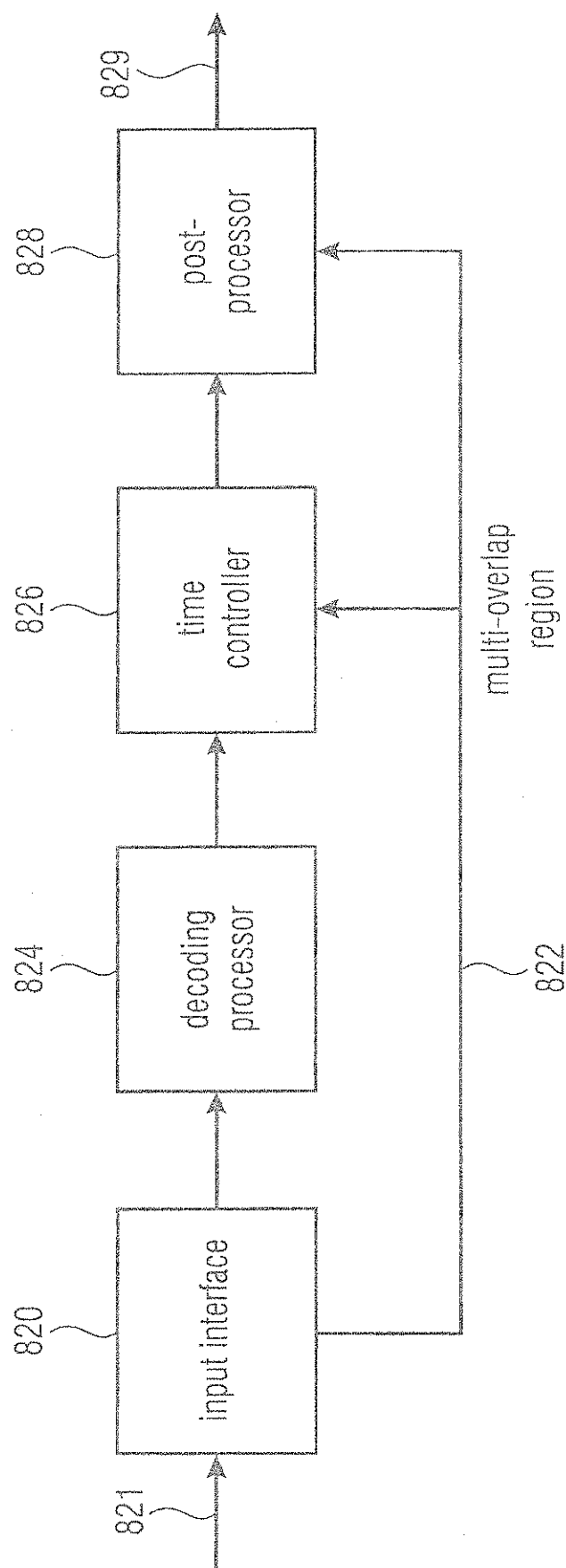


FIG 8B

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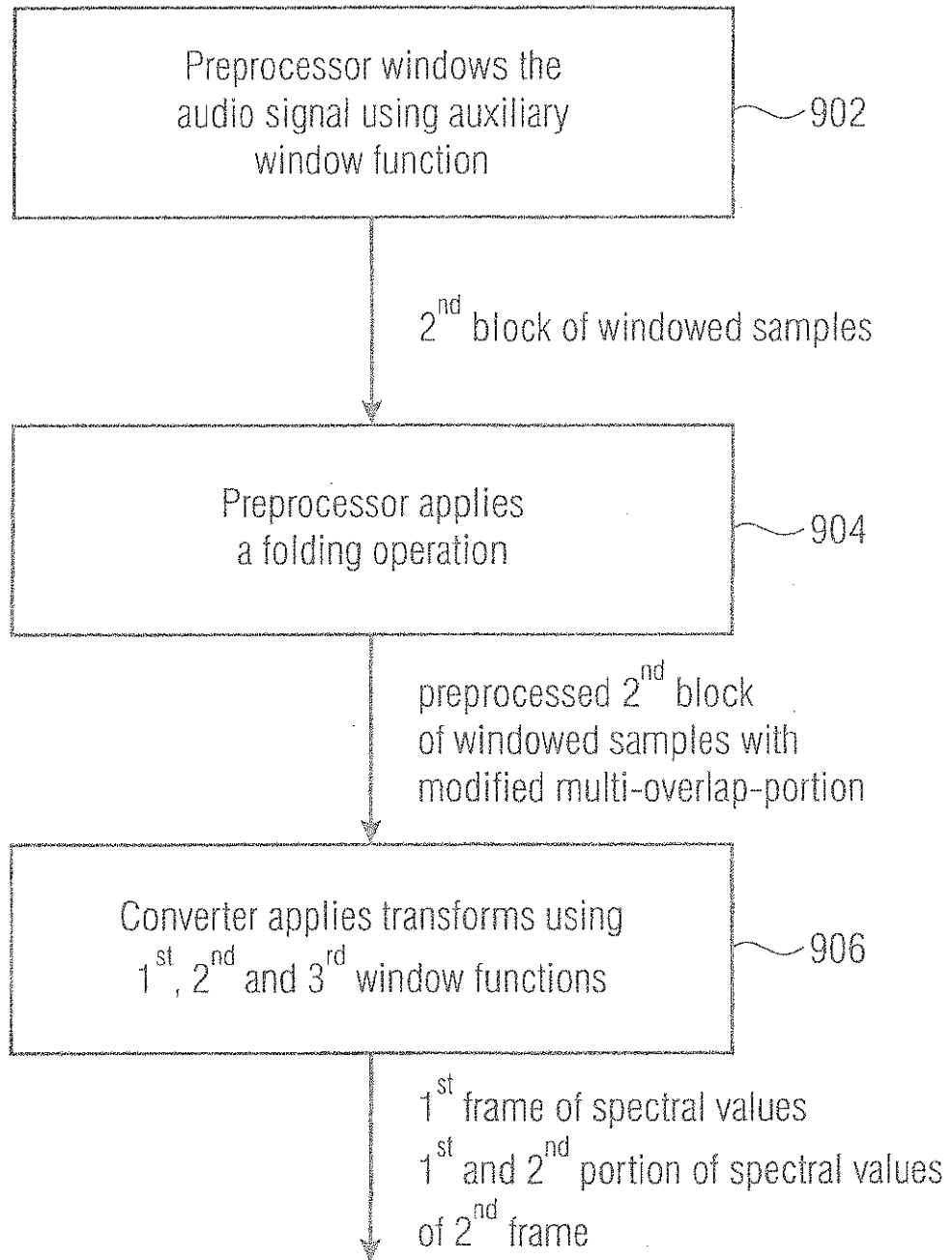


FIG 9A

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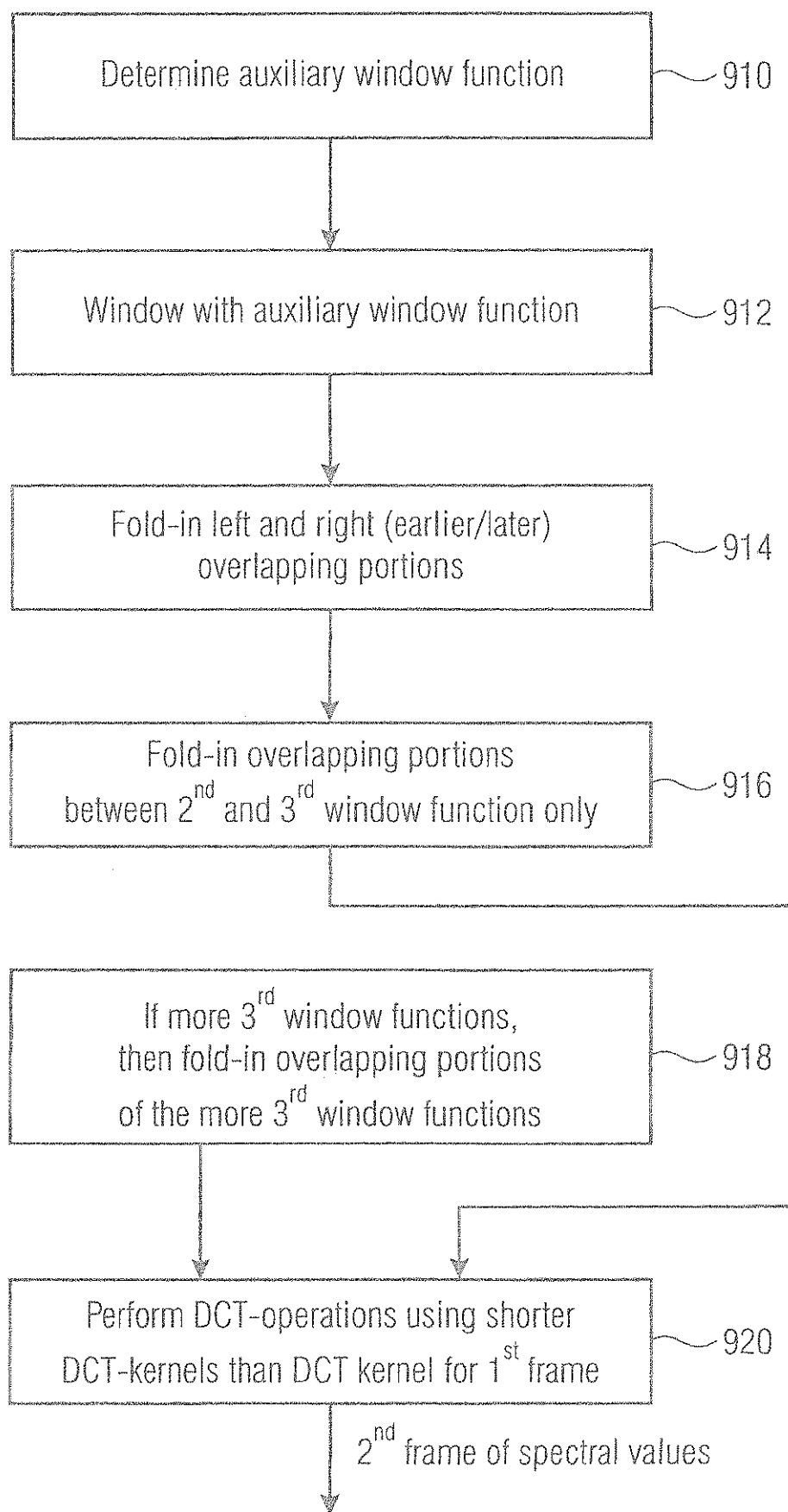


FIG 9B

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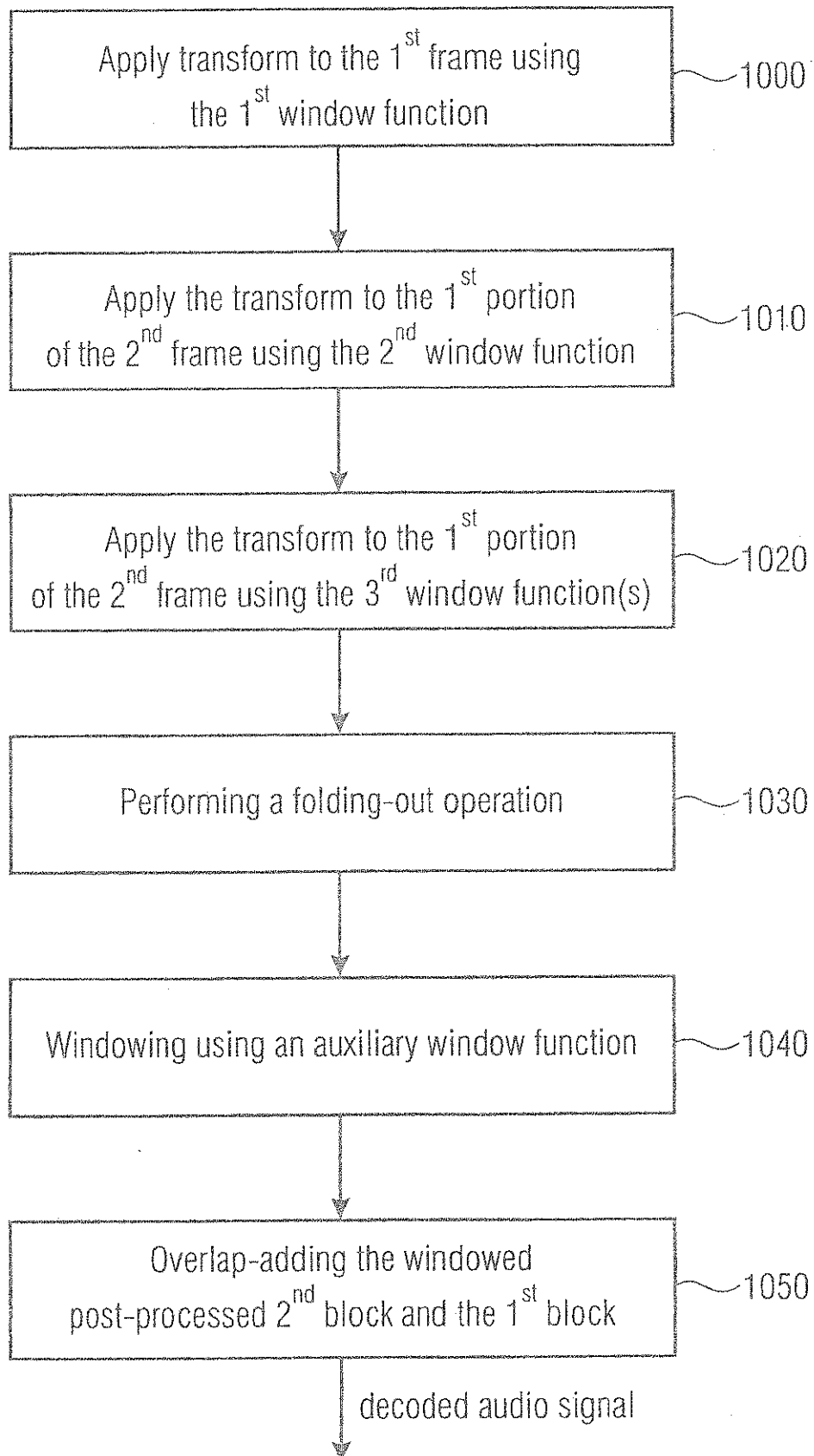


FIG 10A

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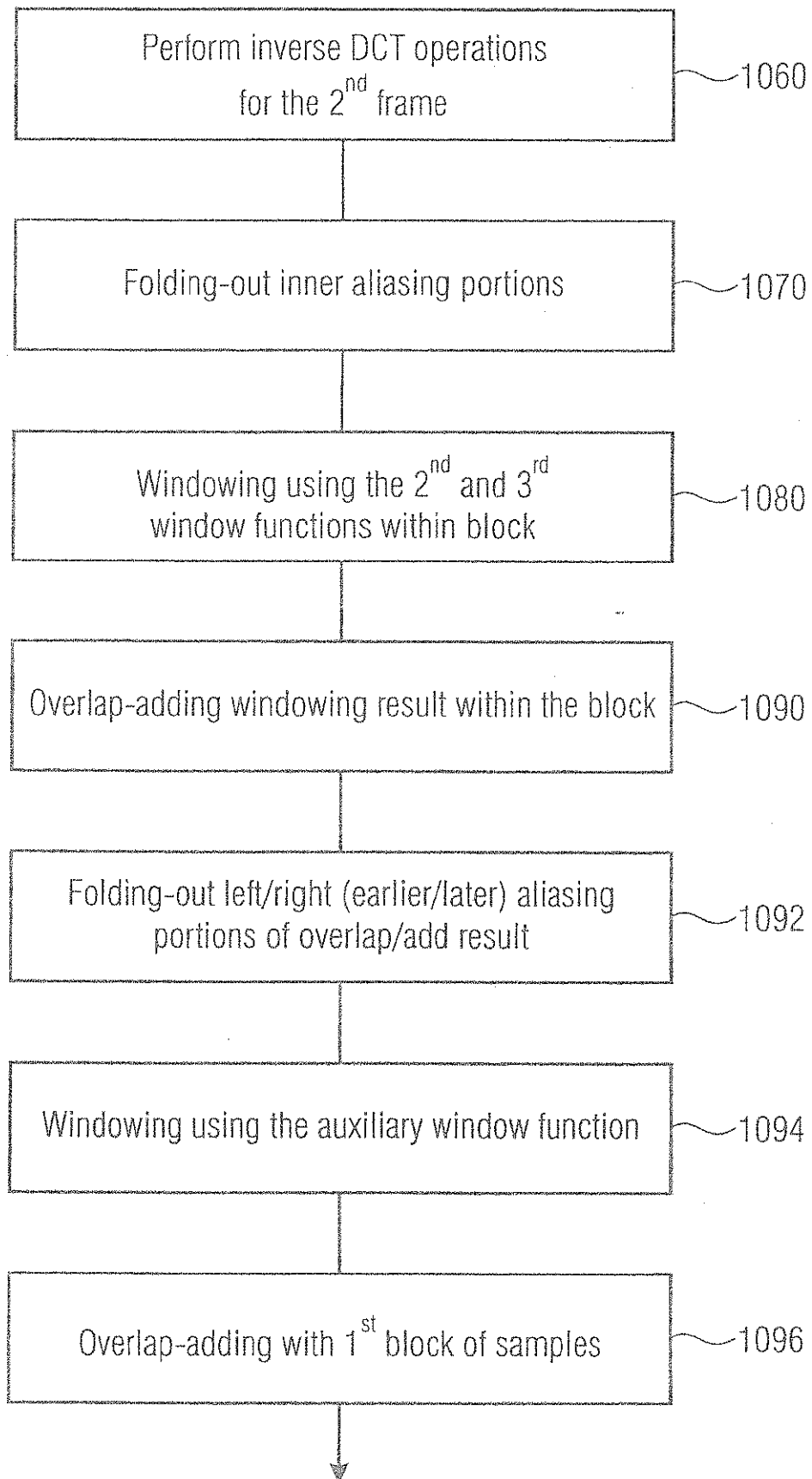


FIG 10B

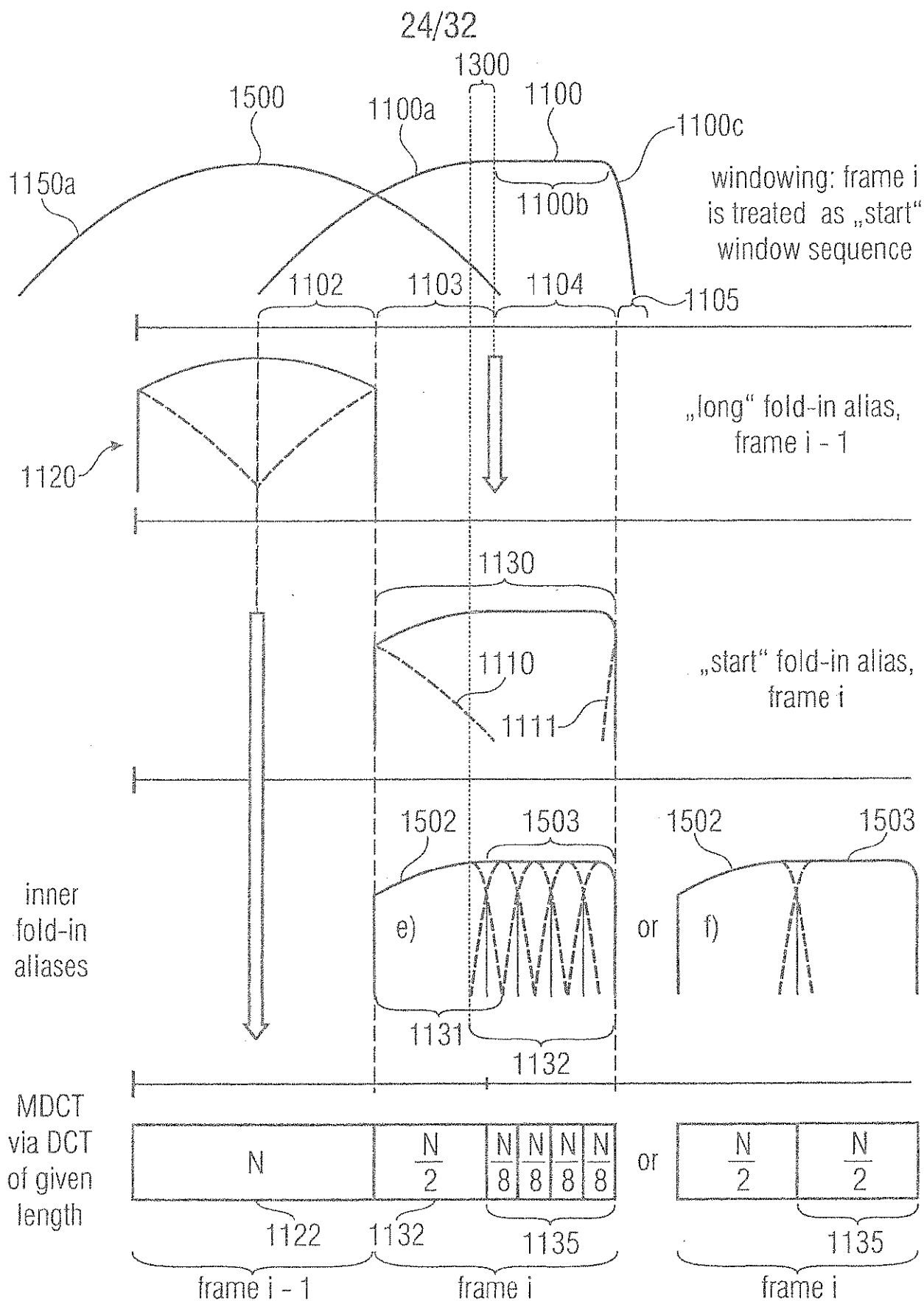


FIG 11A
(ENCODER)

SUBSTITUTE SHEET (RULE 26)

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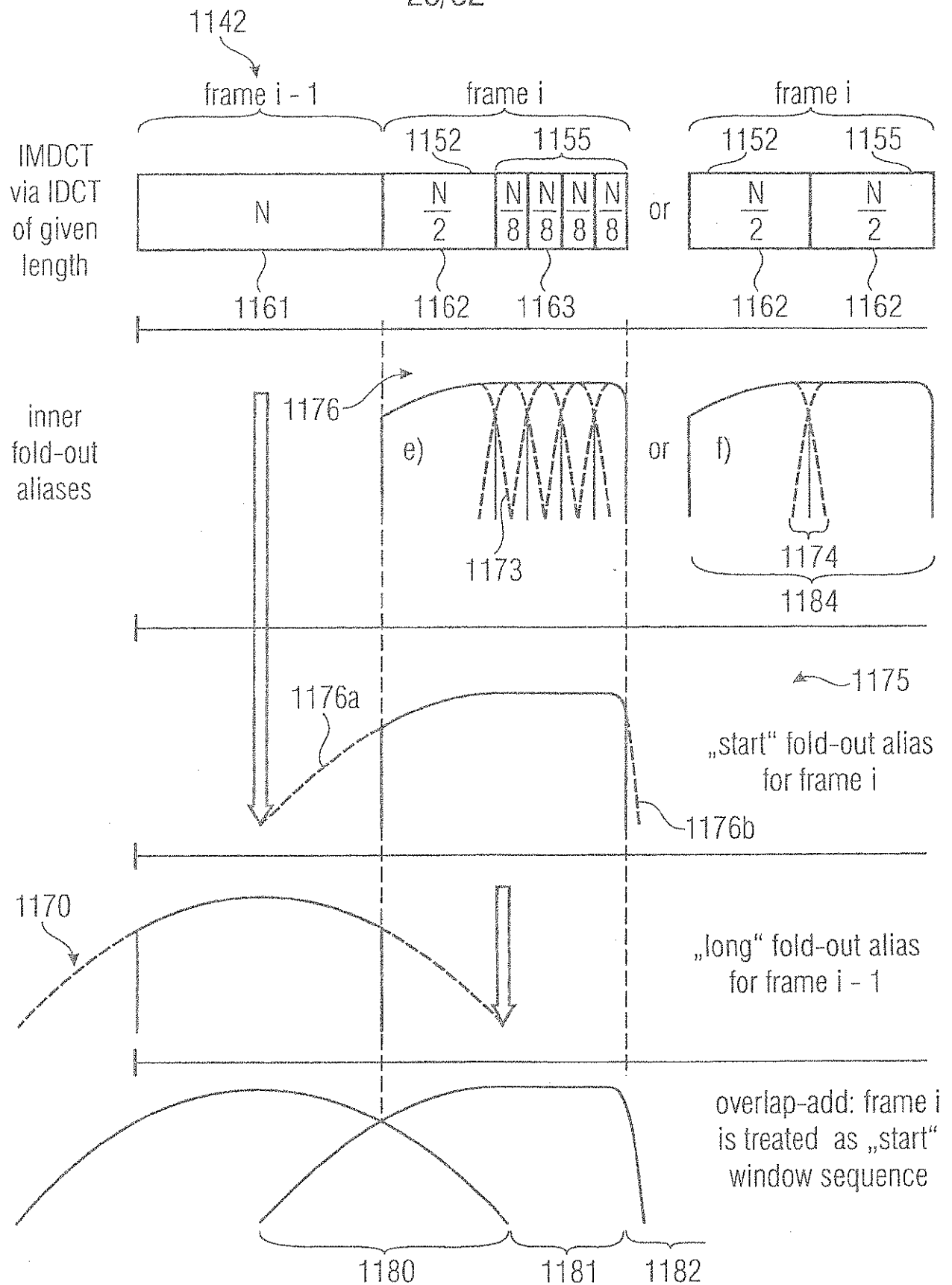


FIG 11B
(DECODER)

SUBSTITUTE SHEET (RULE 26)

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ENCODER

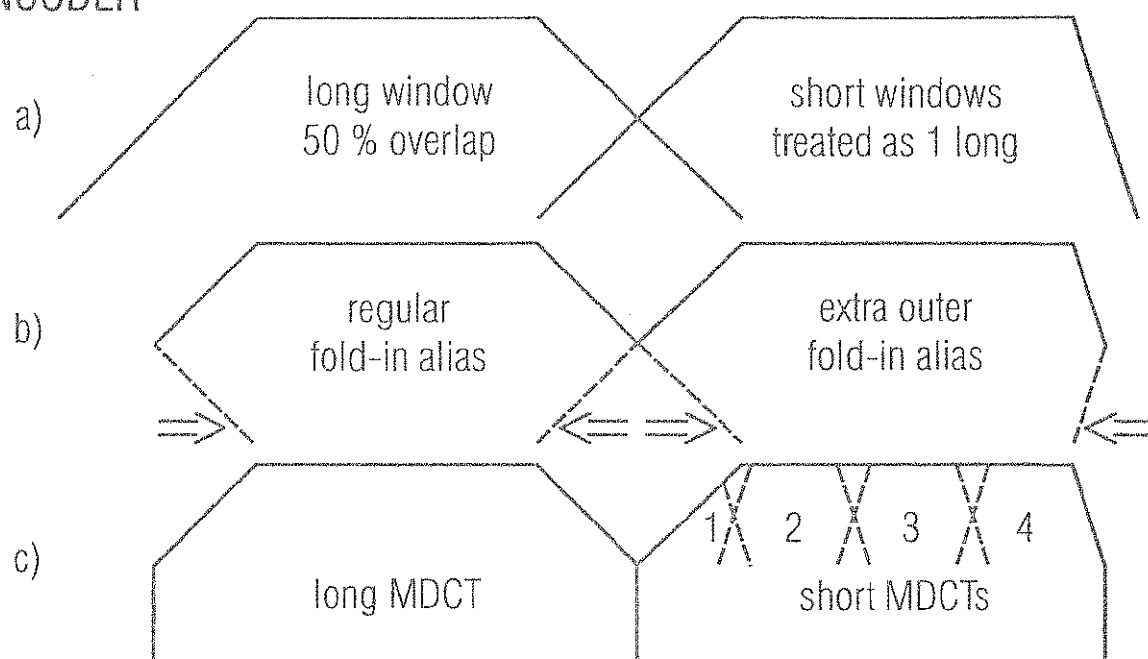


FIG 12A

DECODER

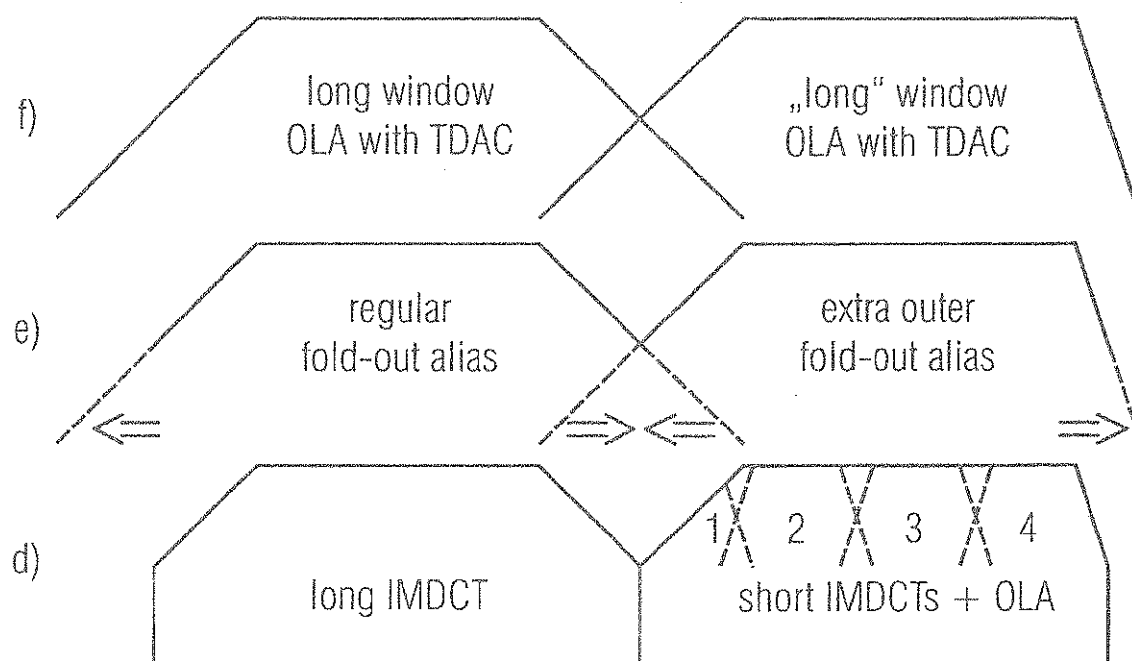
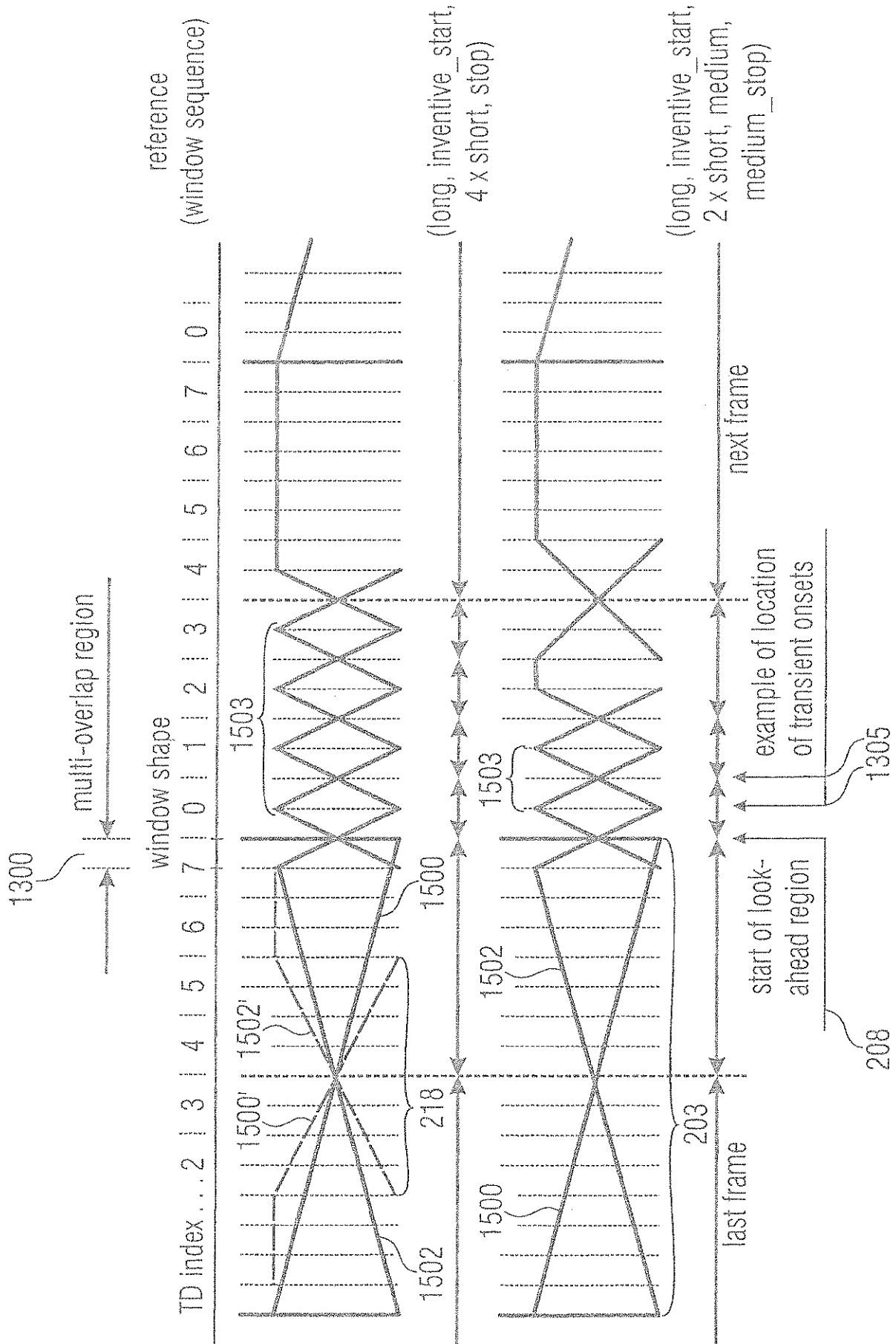
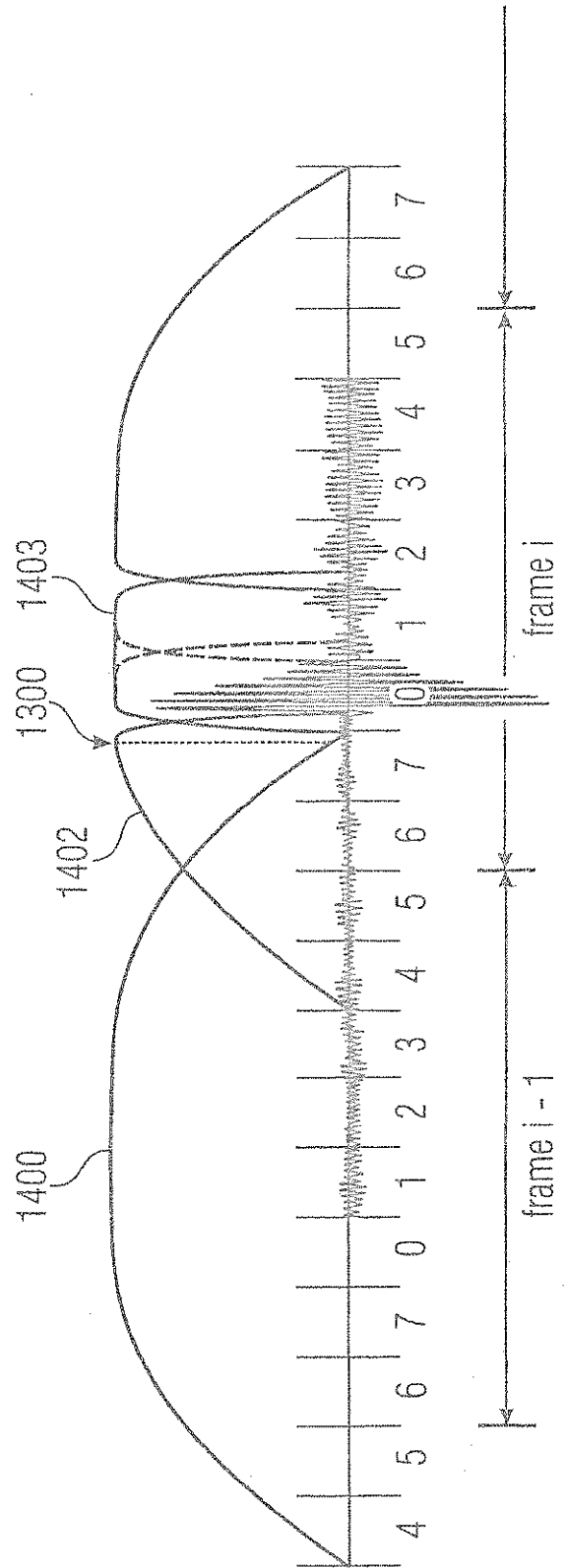
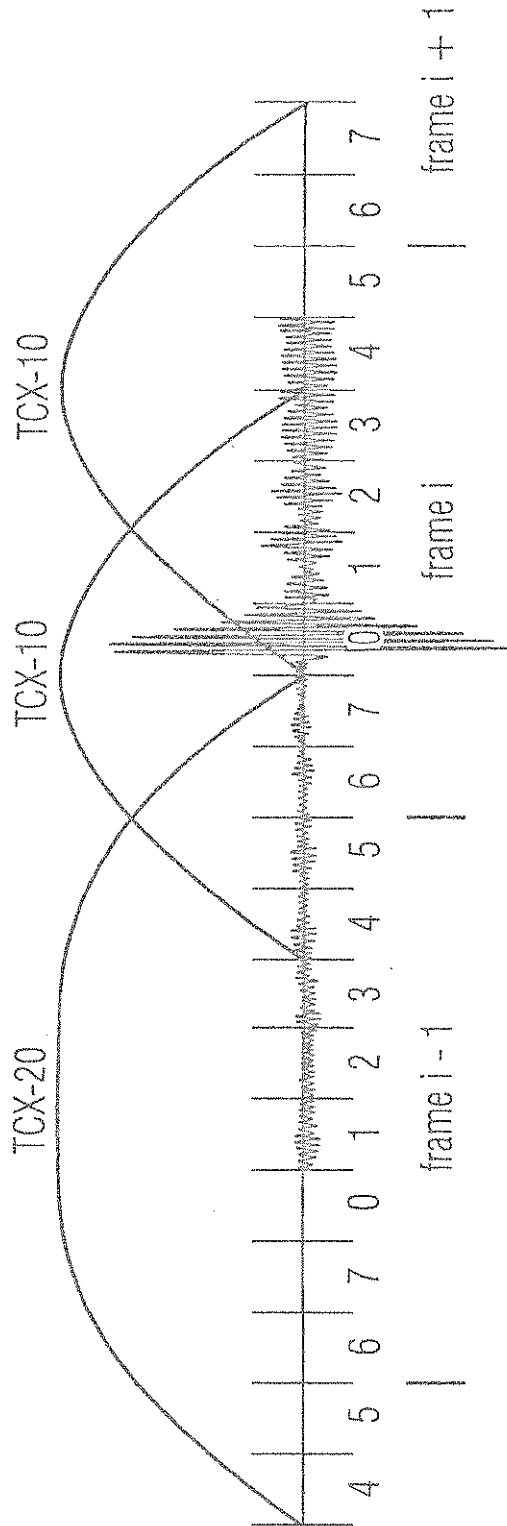


FIG 12B





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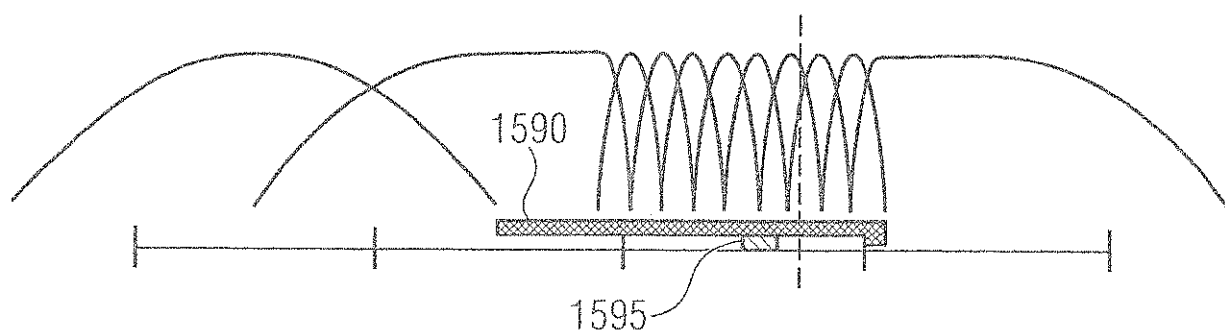


FIG 15A

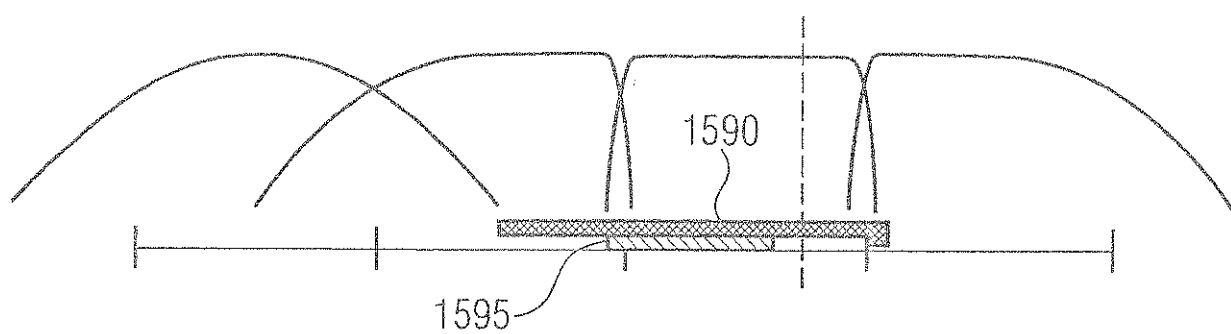


FIG 15B

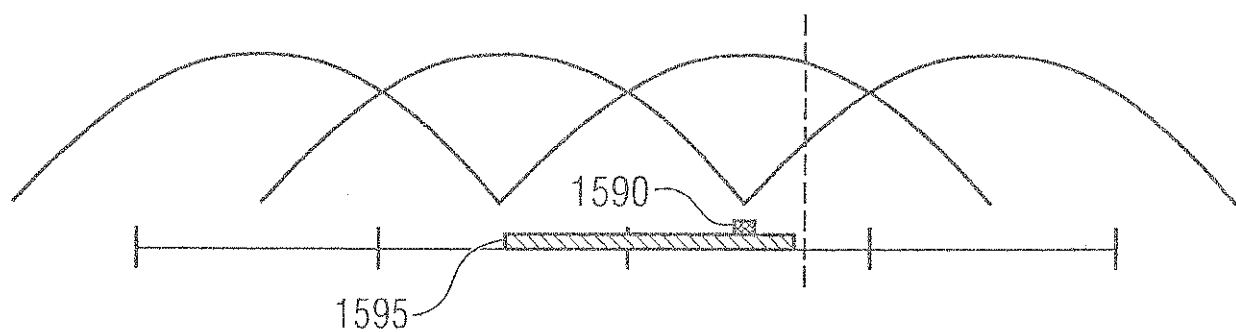


FIG 15C

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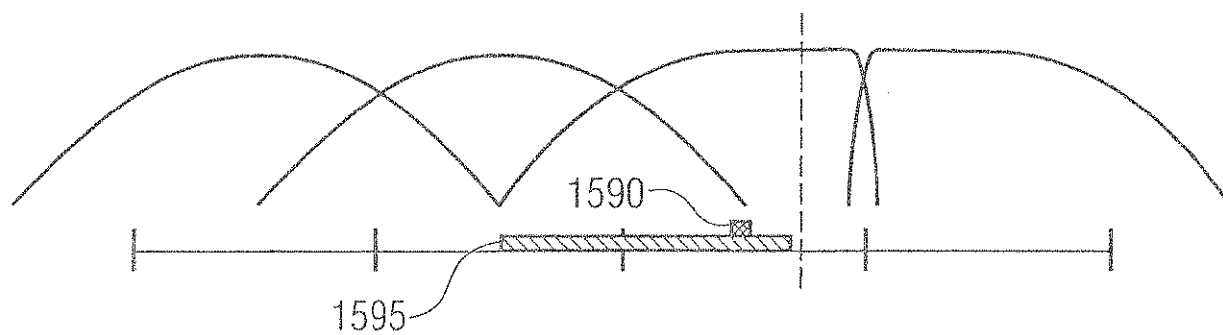


FIG 15D

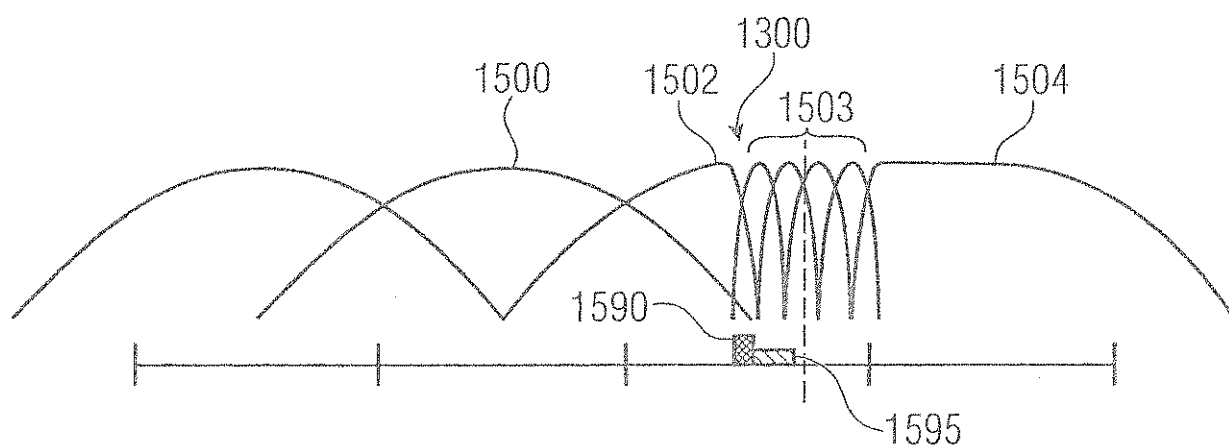


FIG 15E

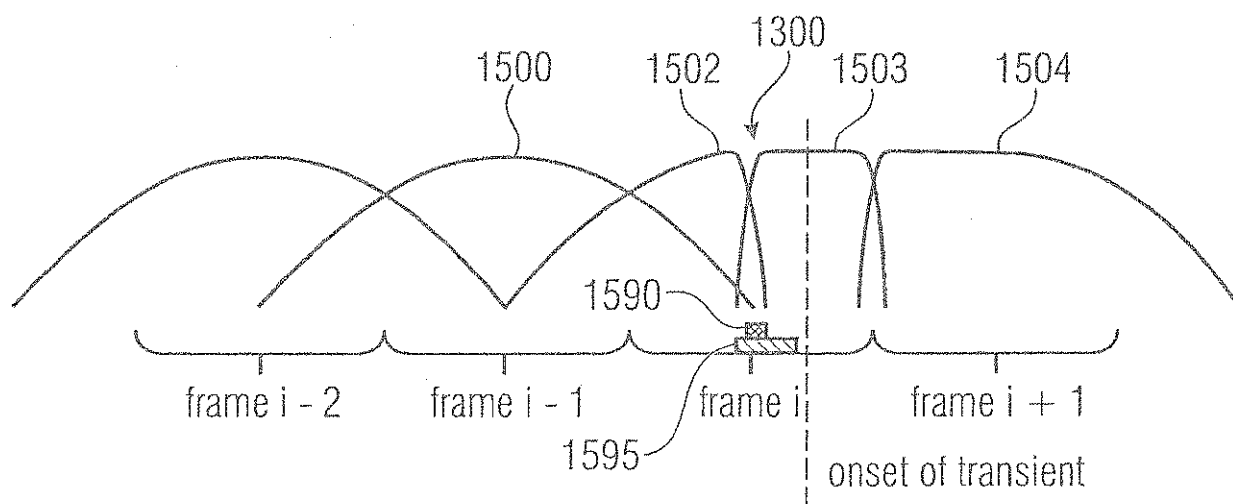


FIG 15F

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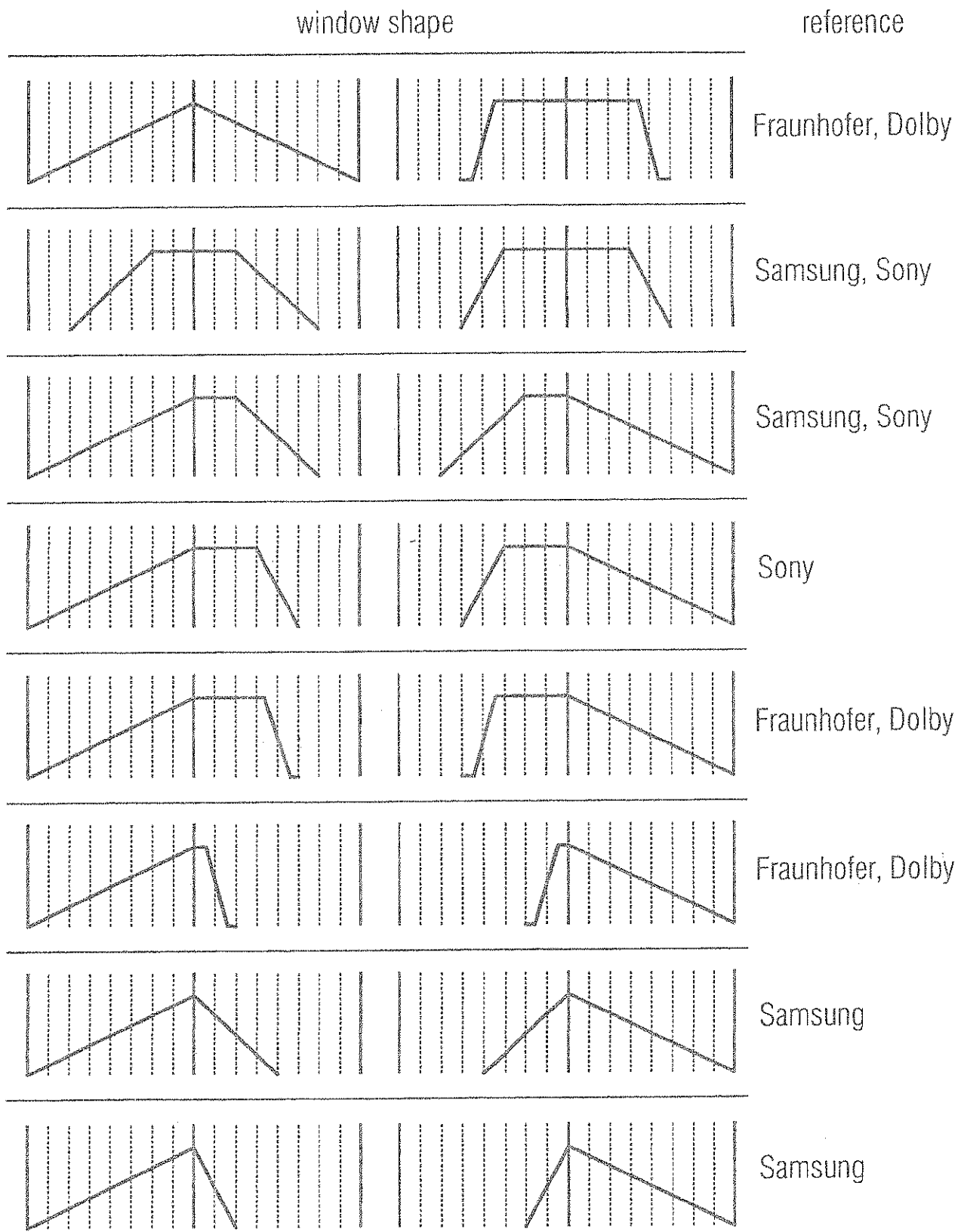


FIG 16
(PRIOR ART)

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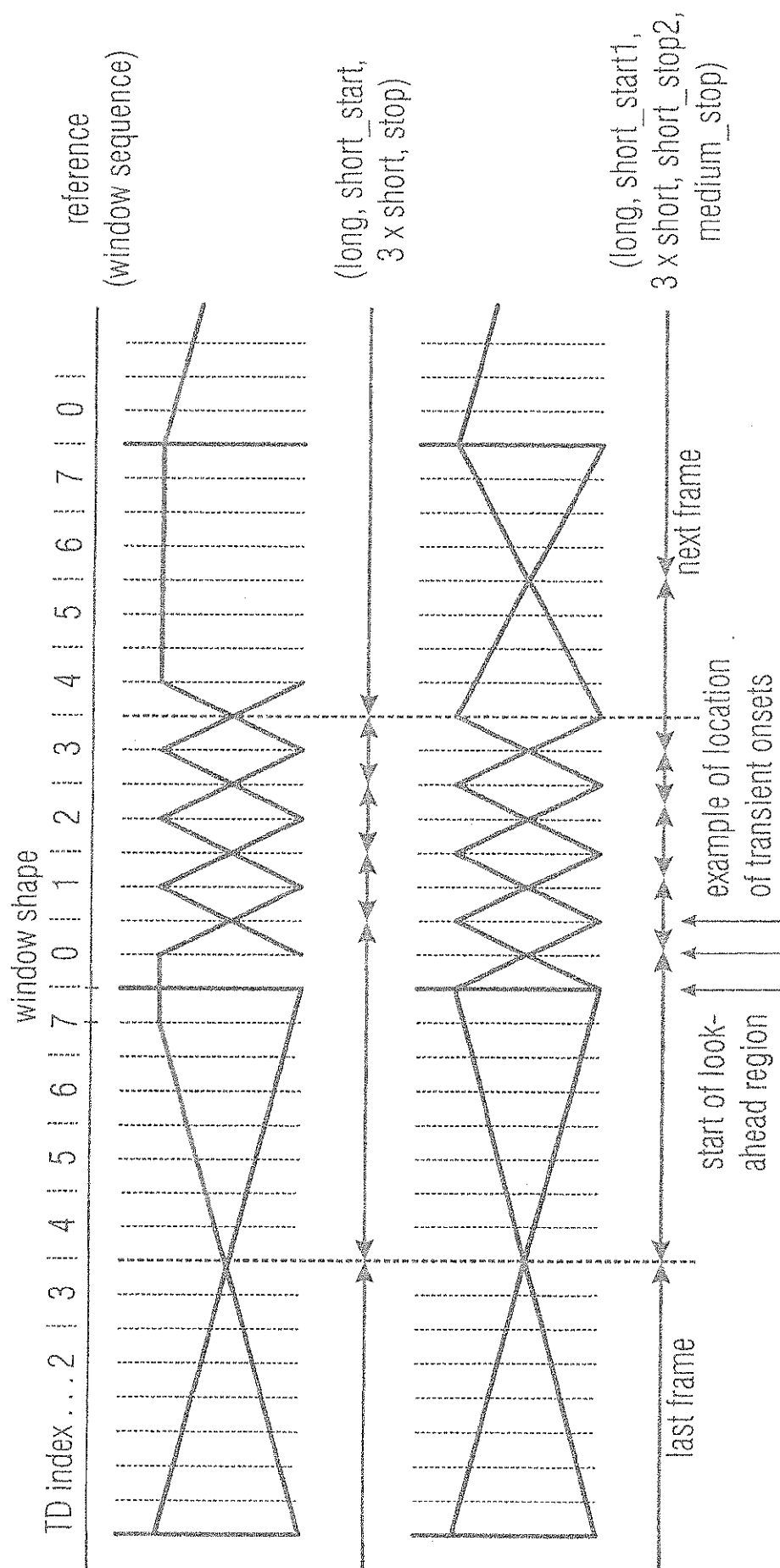


FIG 17