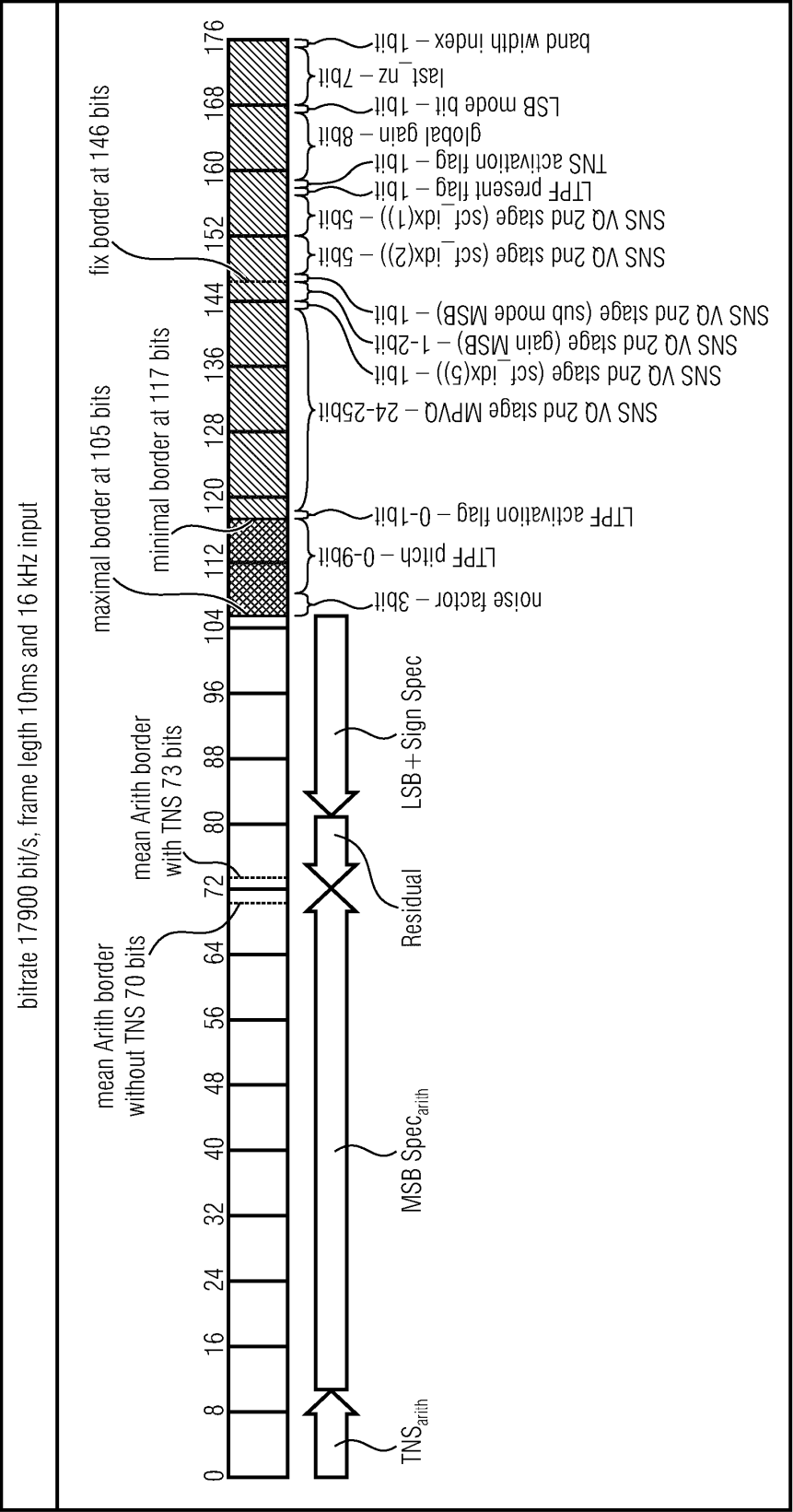
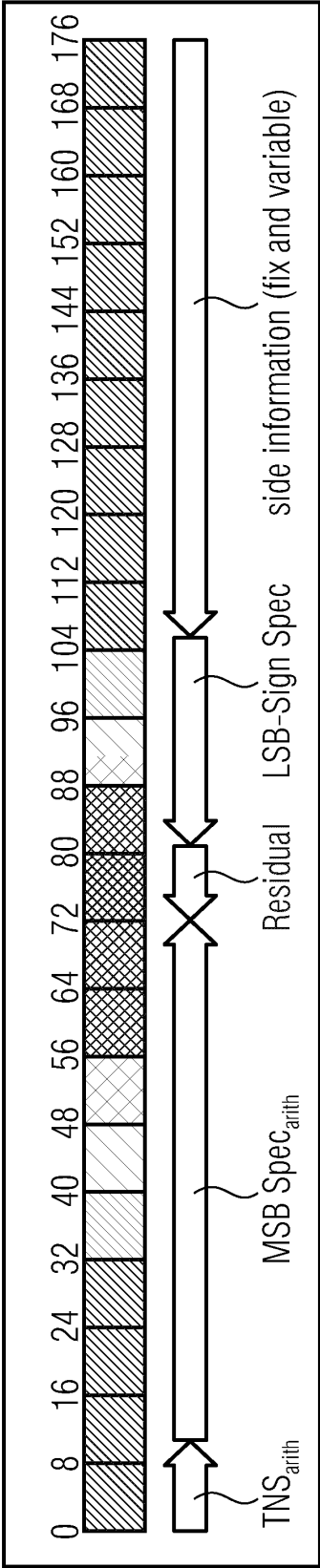




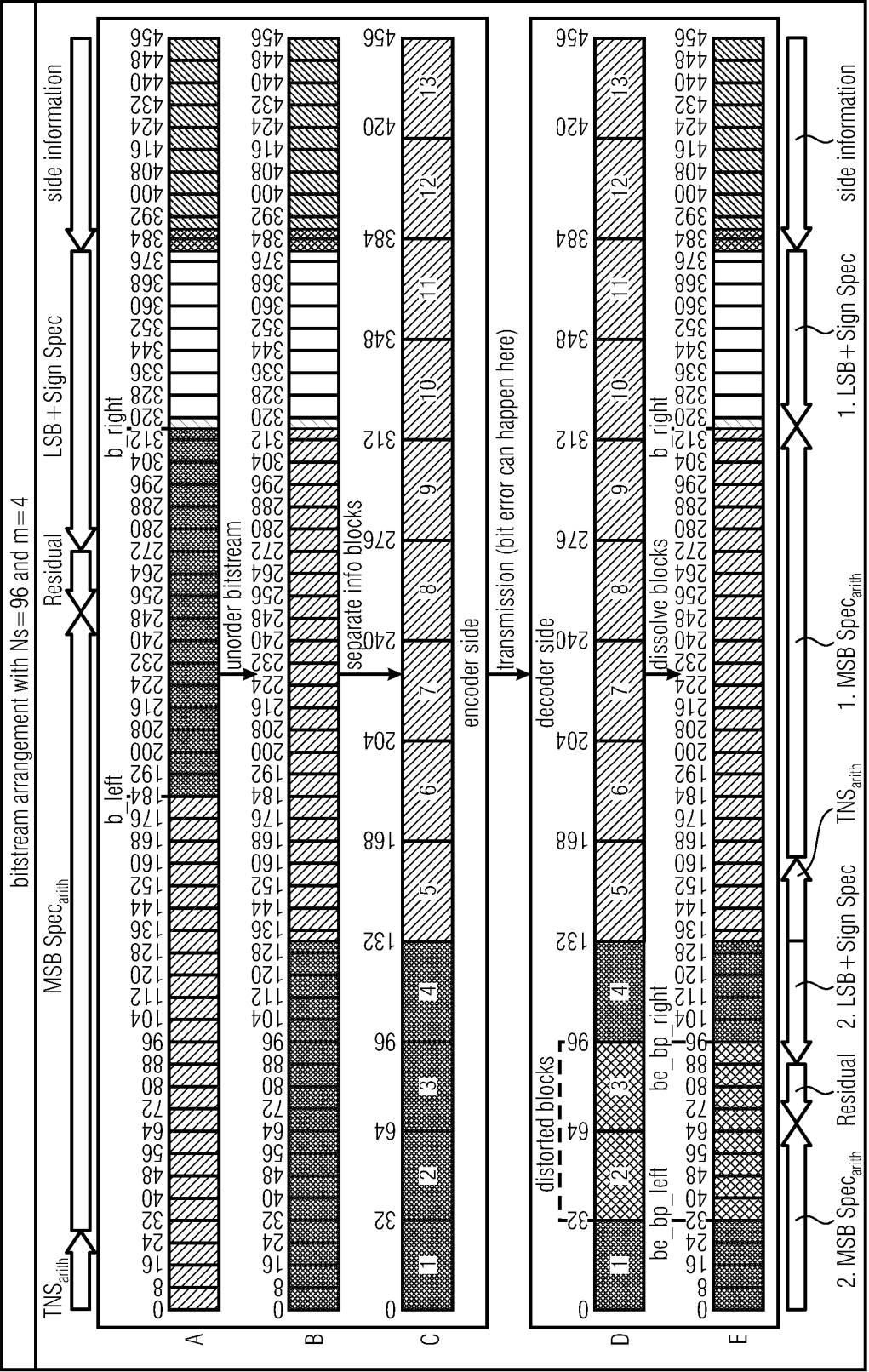
example of original LC3 bitstream payload

Fig. 1



distribution of bits of the example LC3 bitstream payload
given in Fig. 1 based on their psychoacoustic relevancy

Fig. 2



example of LC3 bitstream payload arrangement

Fig. 3

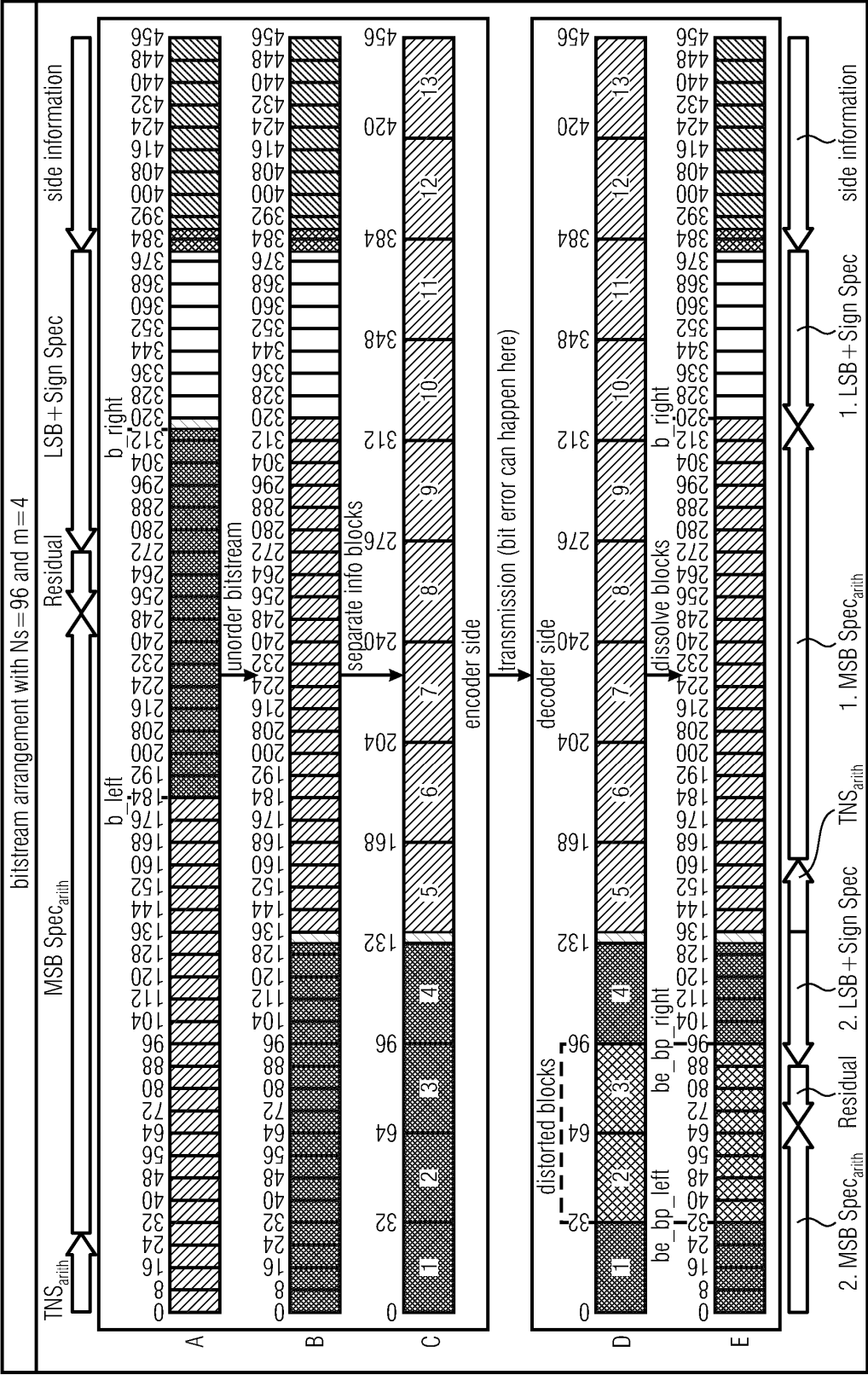


Fig. 4 example of LC3 bitstream payload rearrangement with arithmetic encoder/decoder operating on byte granularity

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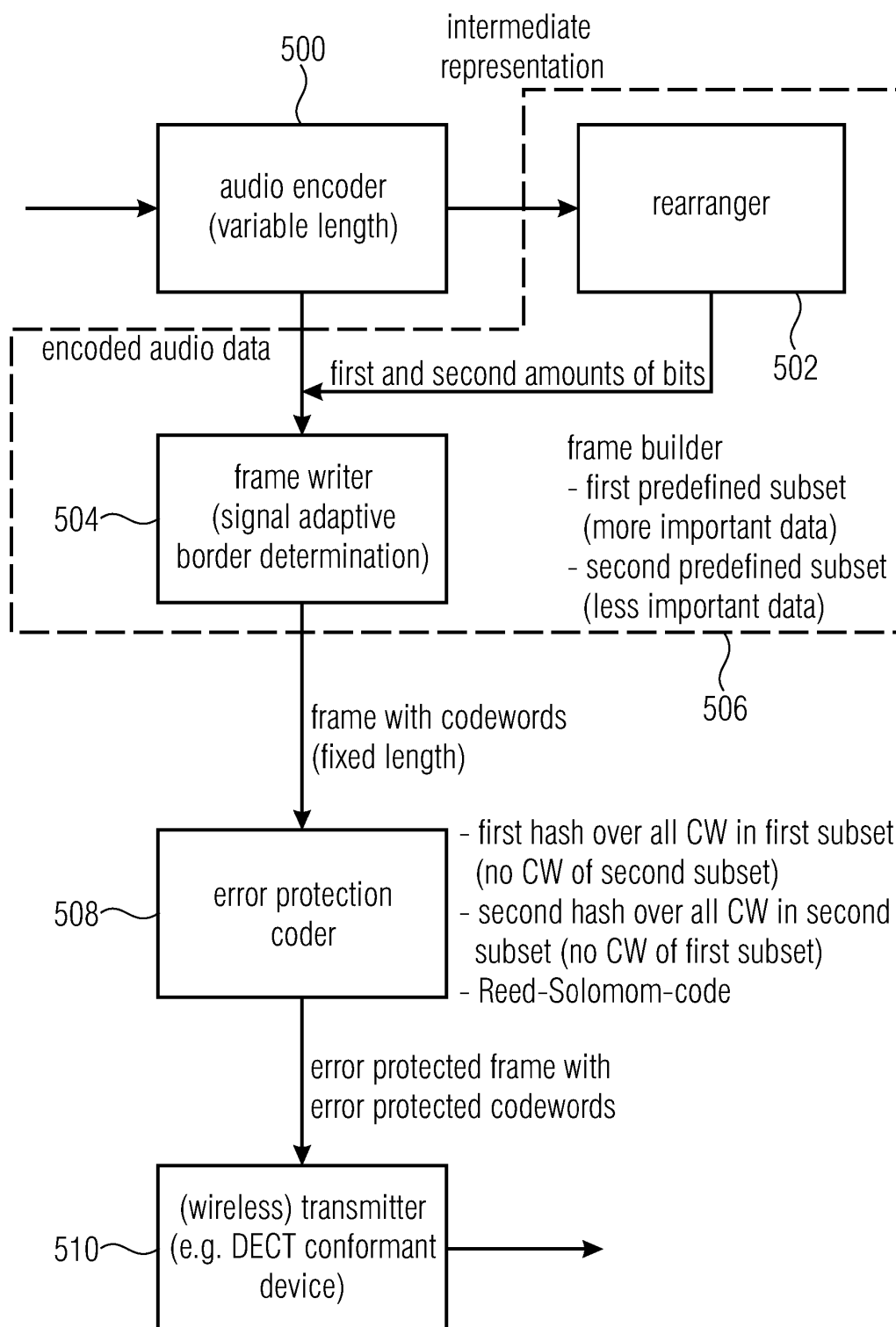


Fig. 5

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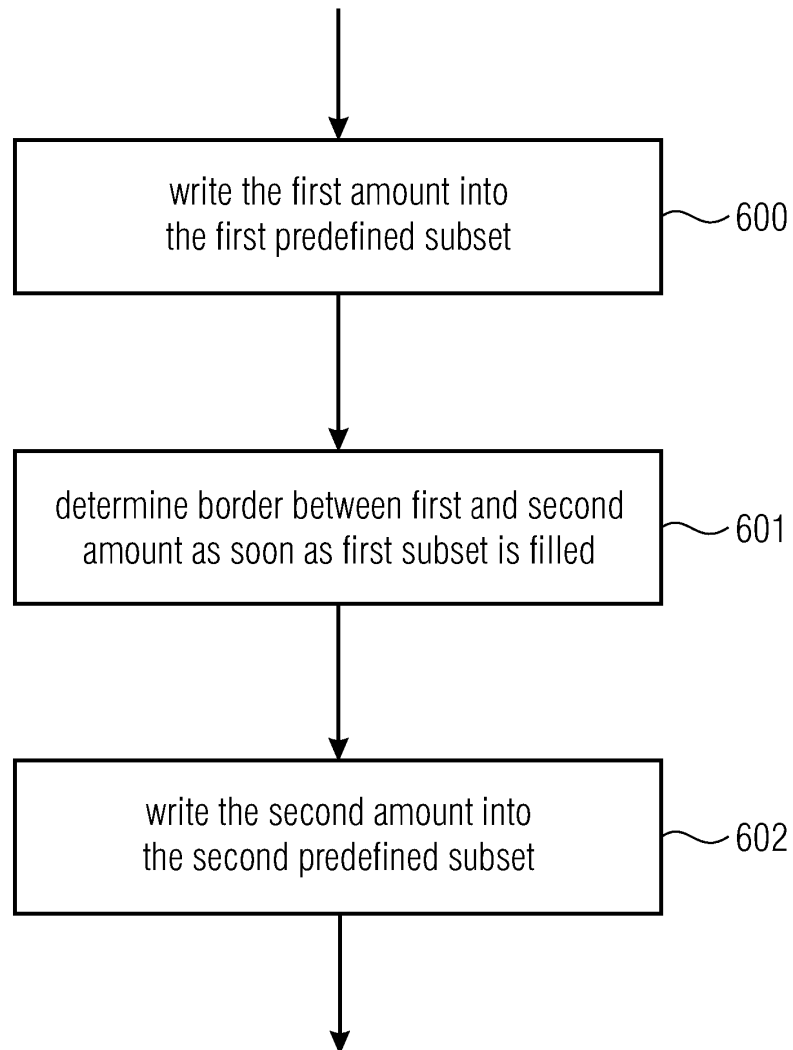


Fig. 6

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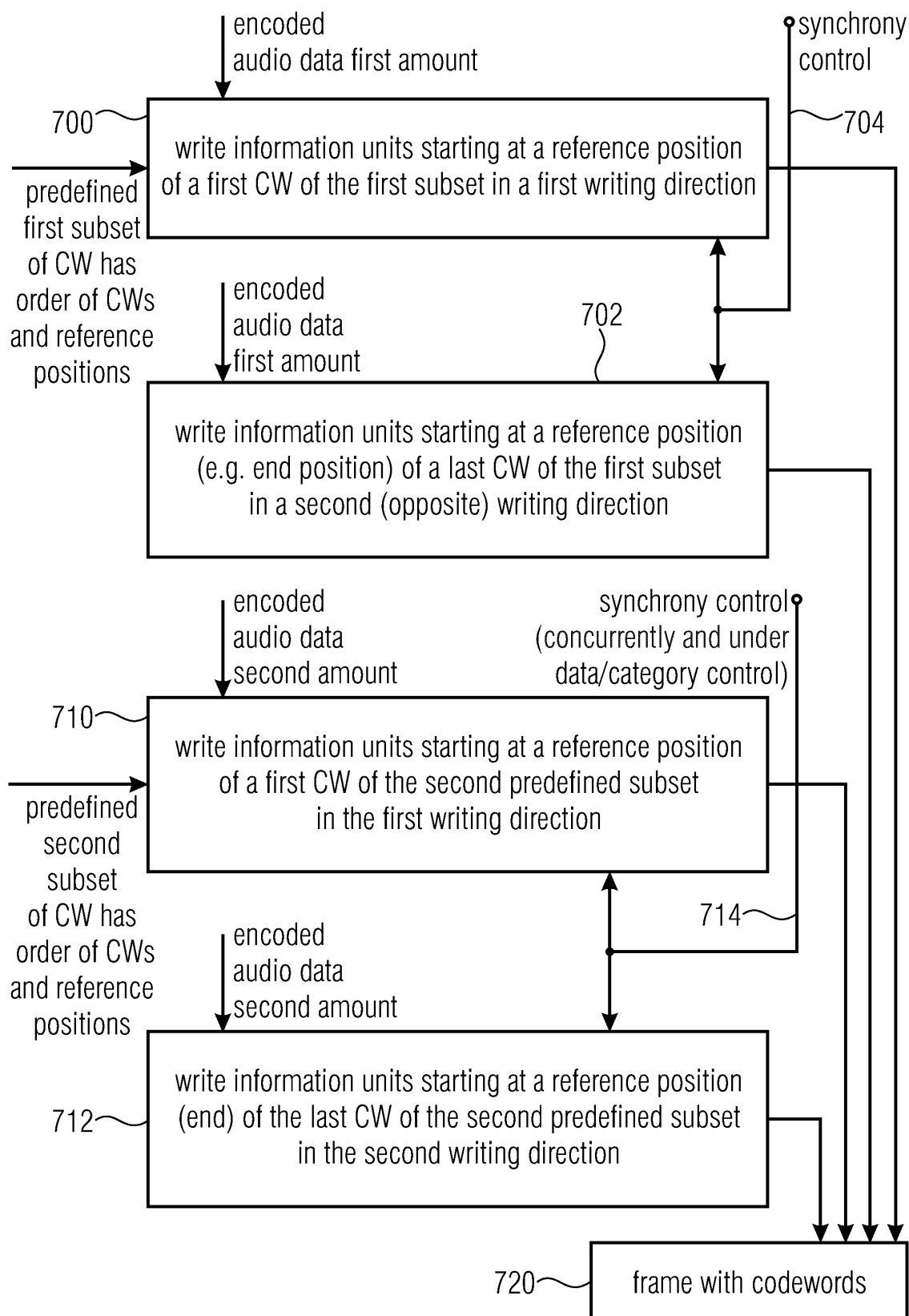
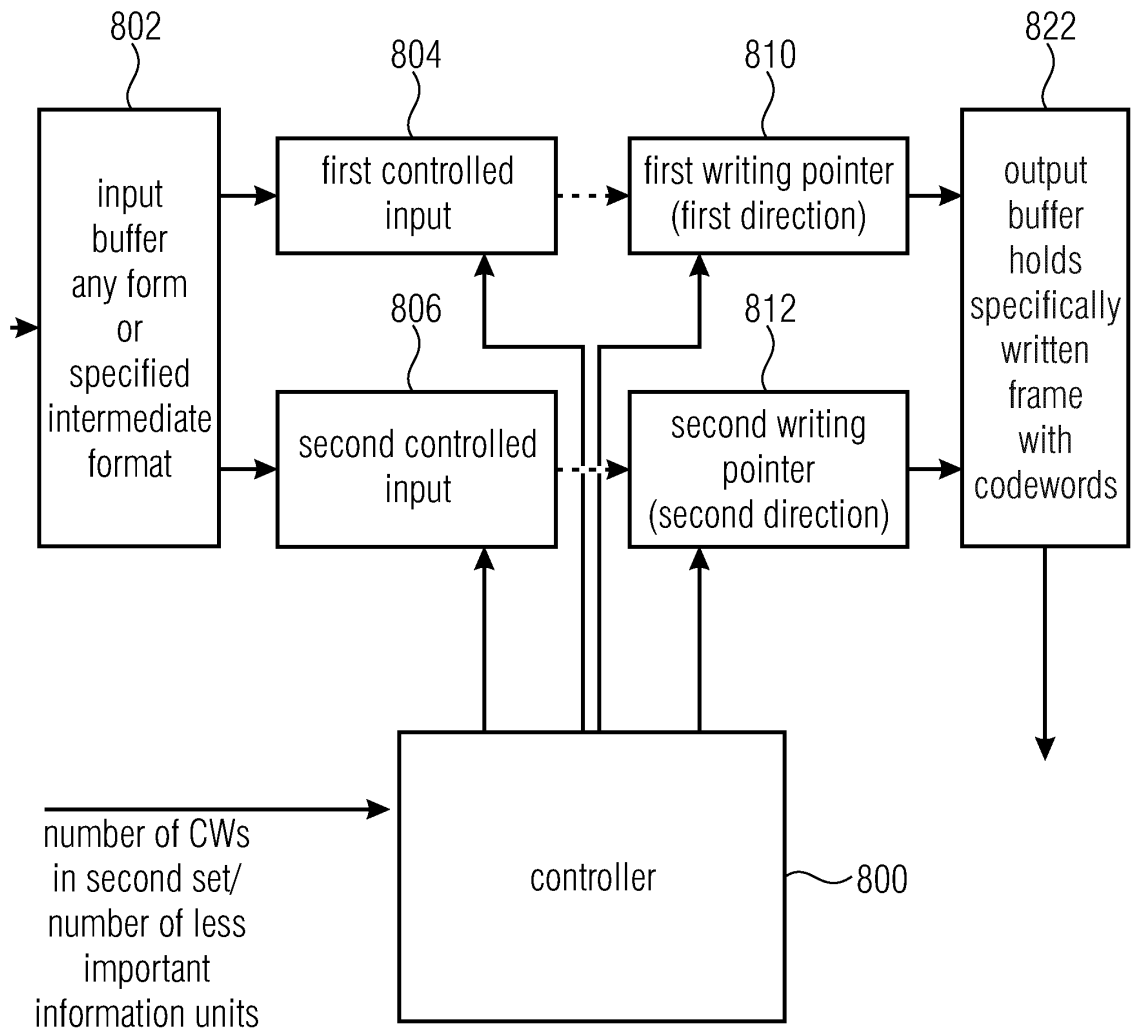


Fig. 7



- controls inputs
- sets first and second pointers to start positions/ addresses in frame for first amount of information units
- synchronously increments writing pointers
- detects that all CW of the first subset are written into the output buffer
- sets first and second pointers' start positions/addresses for the second amount of information units
- synchronously increments writing pointers

Fig. 8

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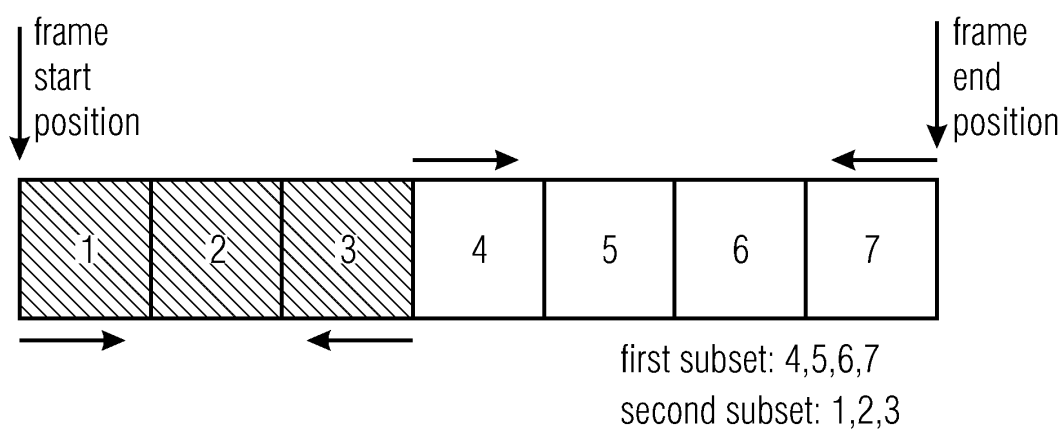


Fig. 9a

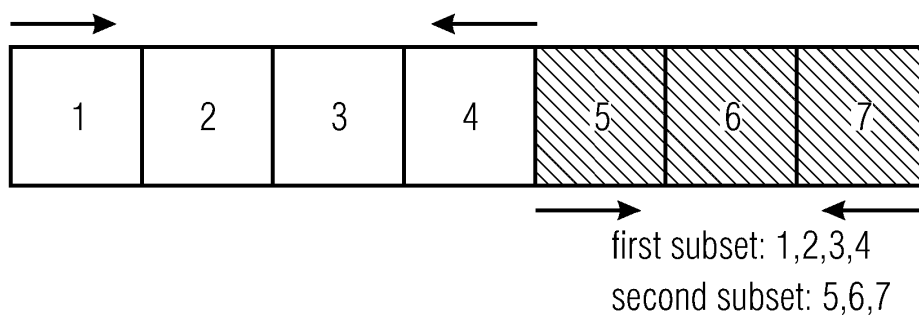


Fig. 9b

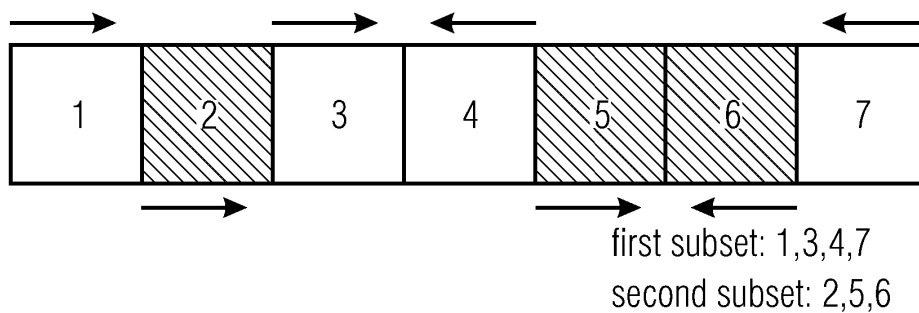


Fig. 9c

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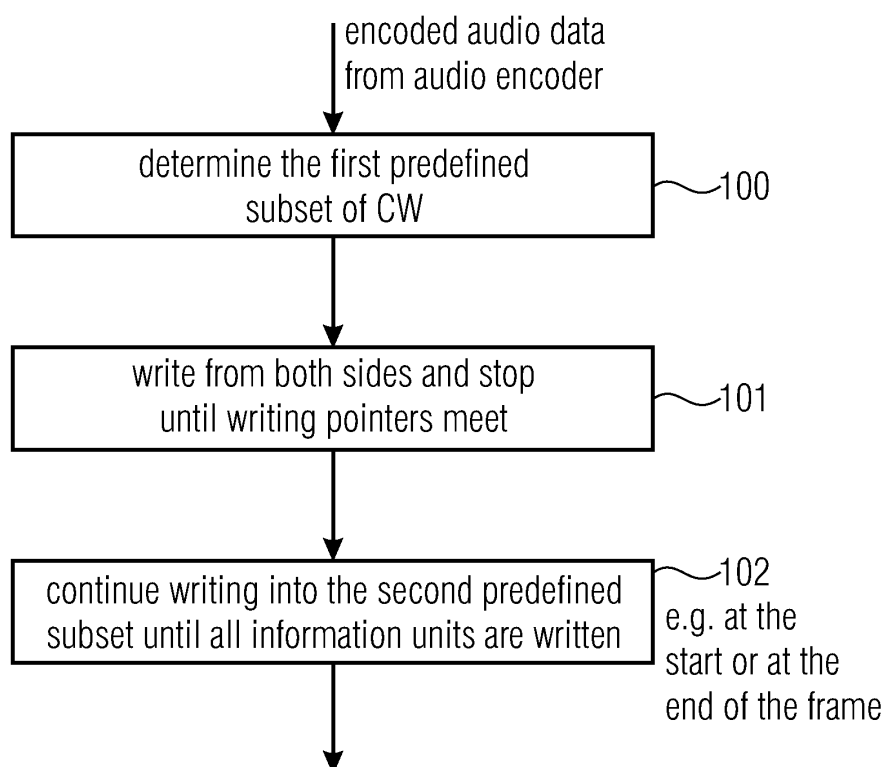


Fig. 10
(DIRECT WRITING)

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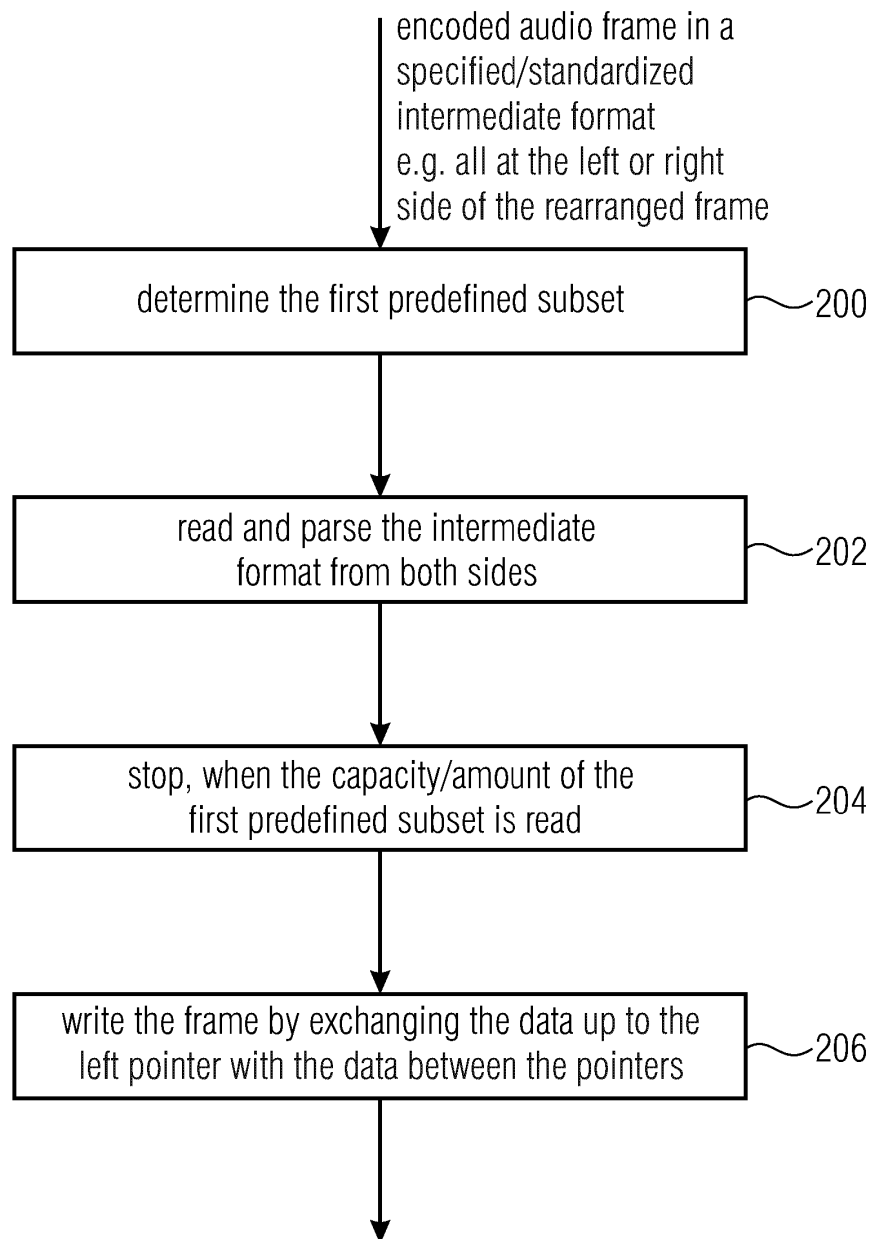


Fig. 11
(REARRANGING)

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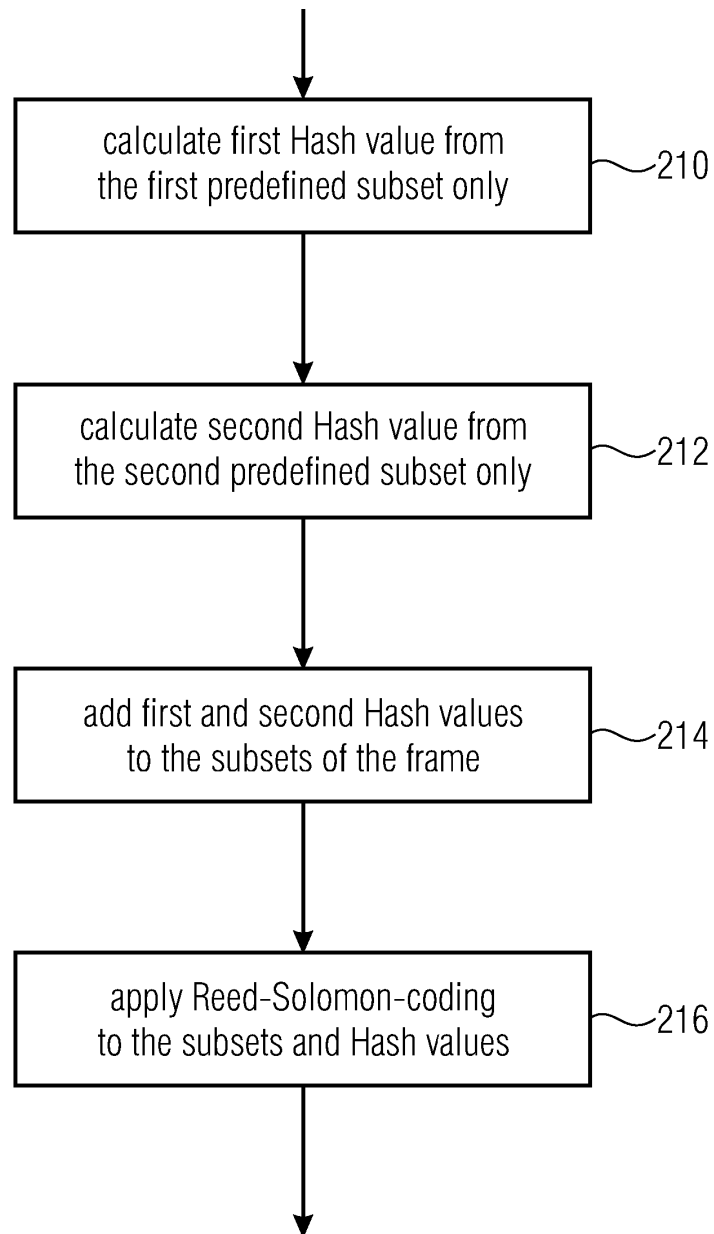


Fig. 12

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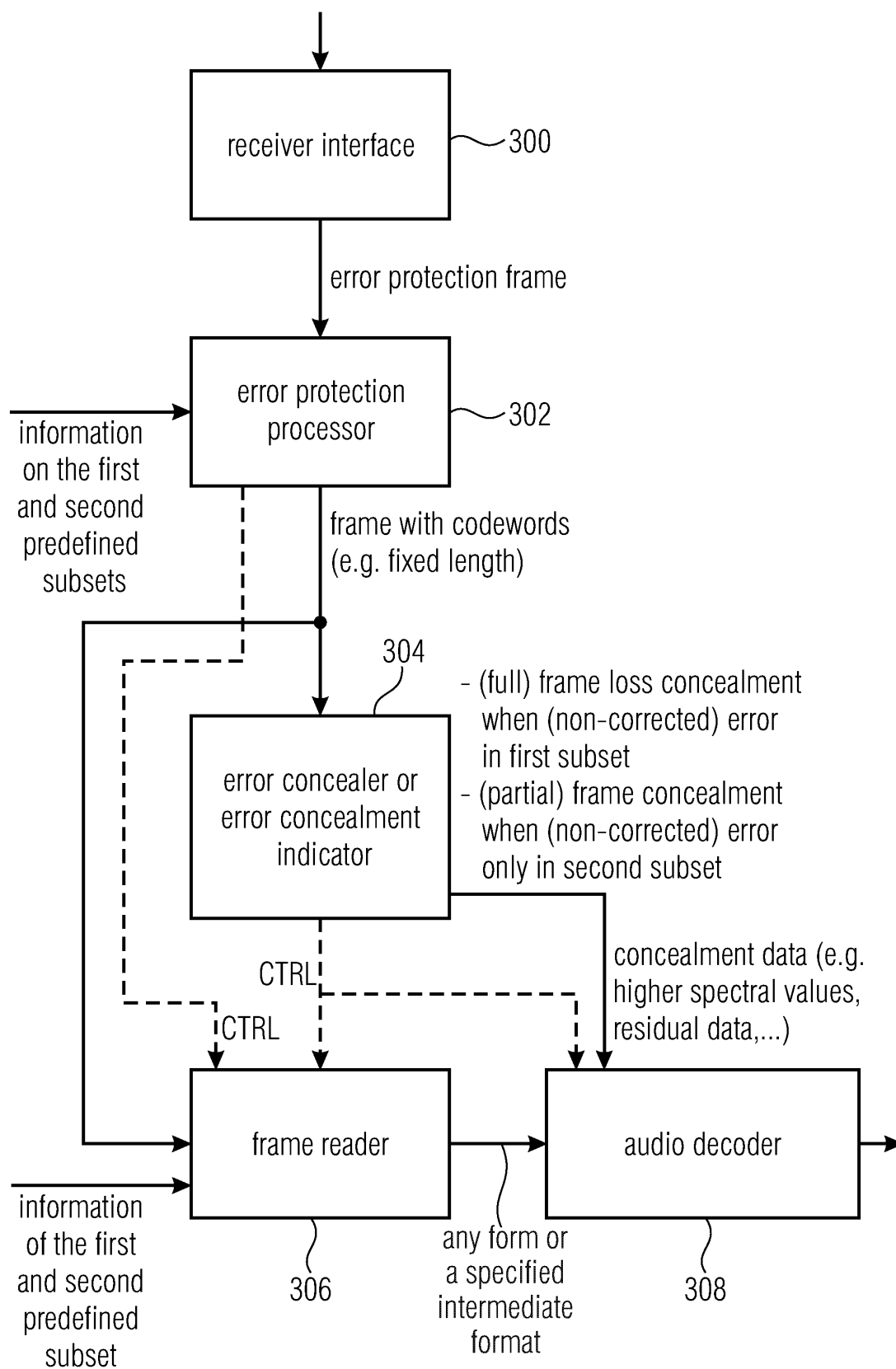


Fig. 13

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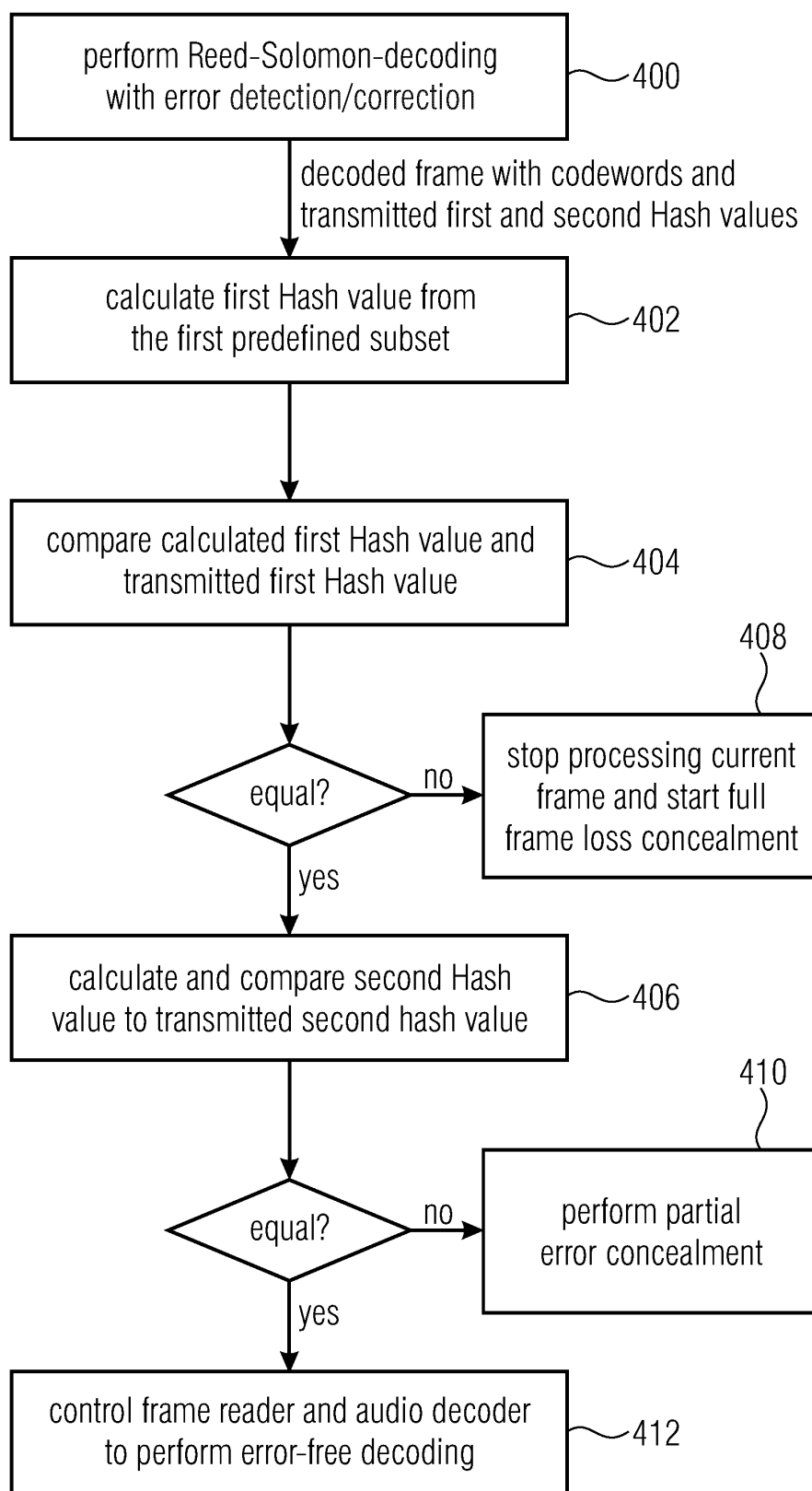


Fig. 14

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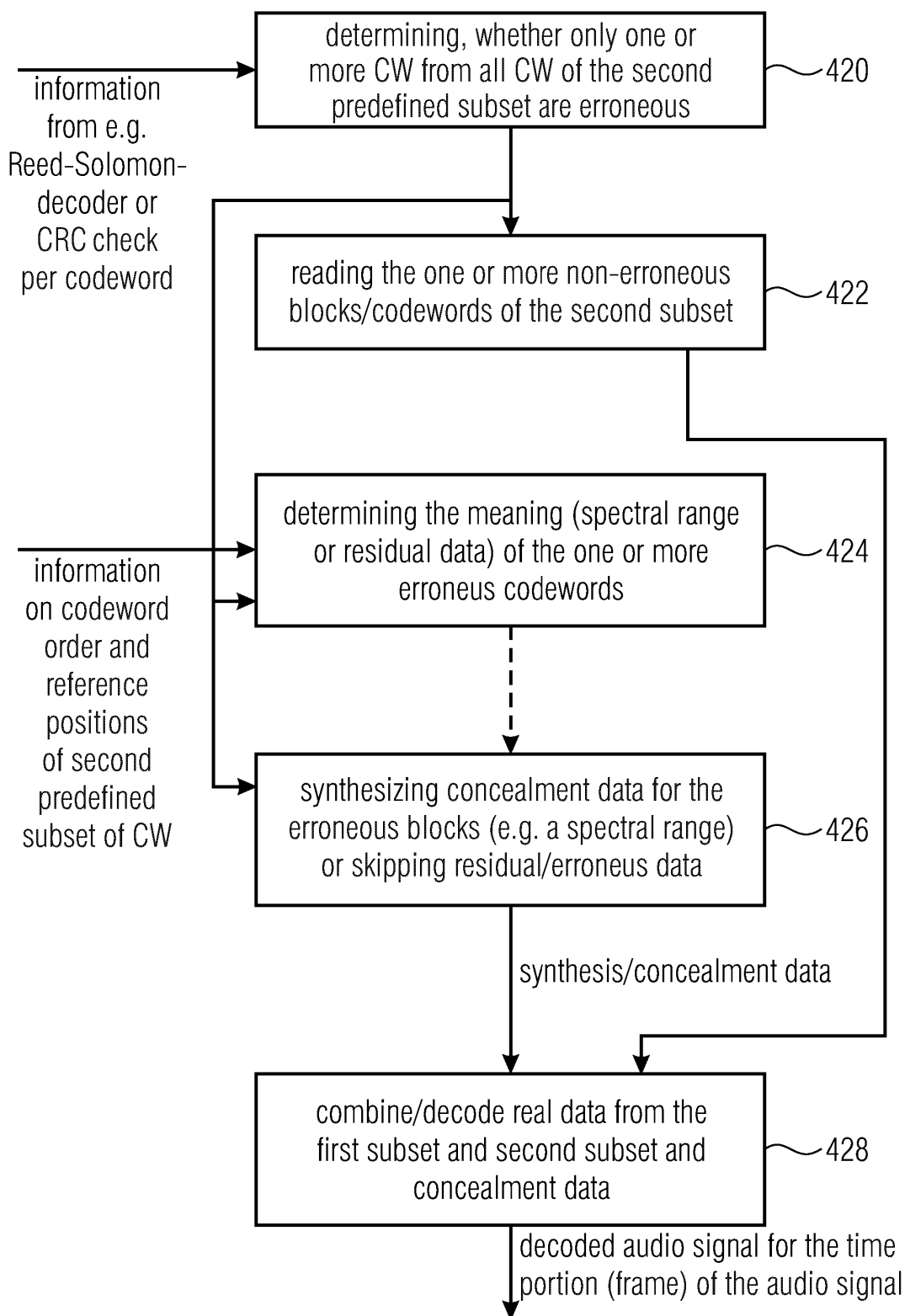


Fig. 15

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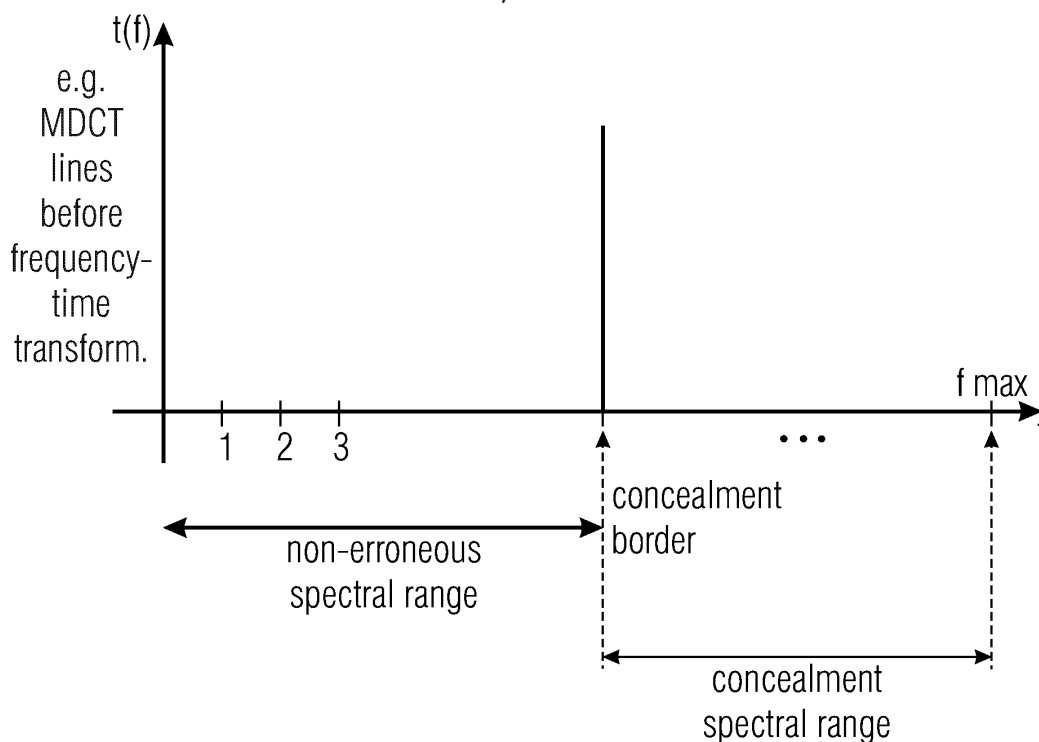


Fig. 16

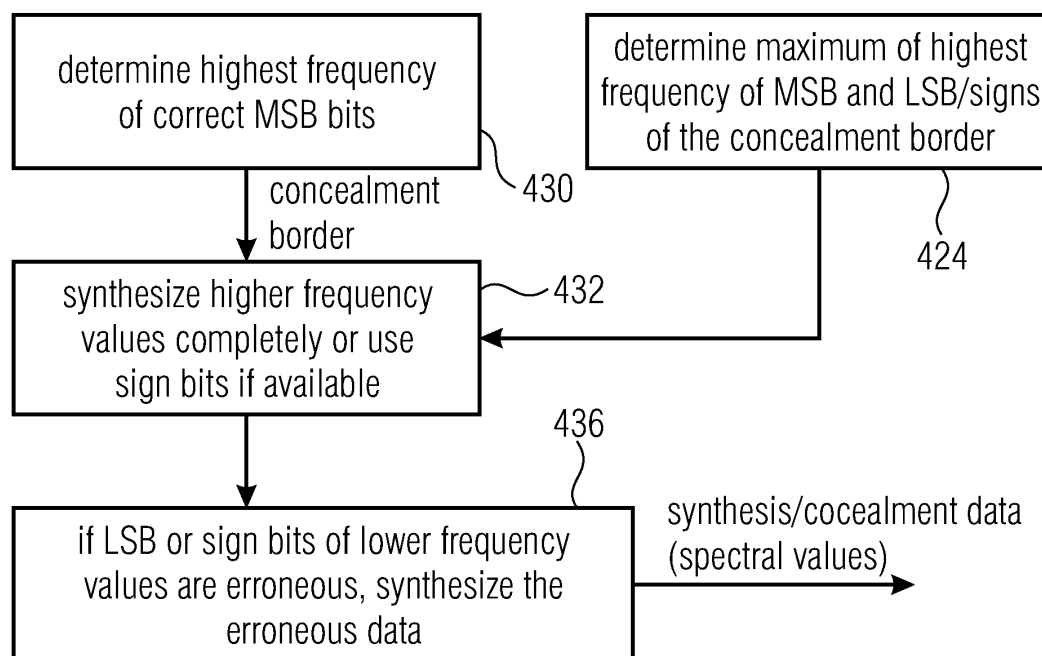
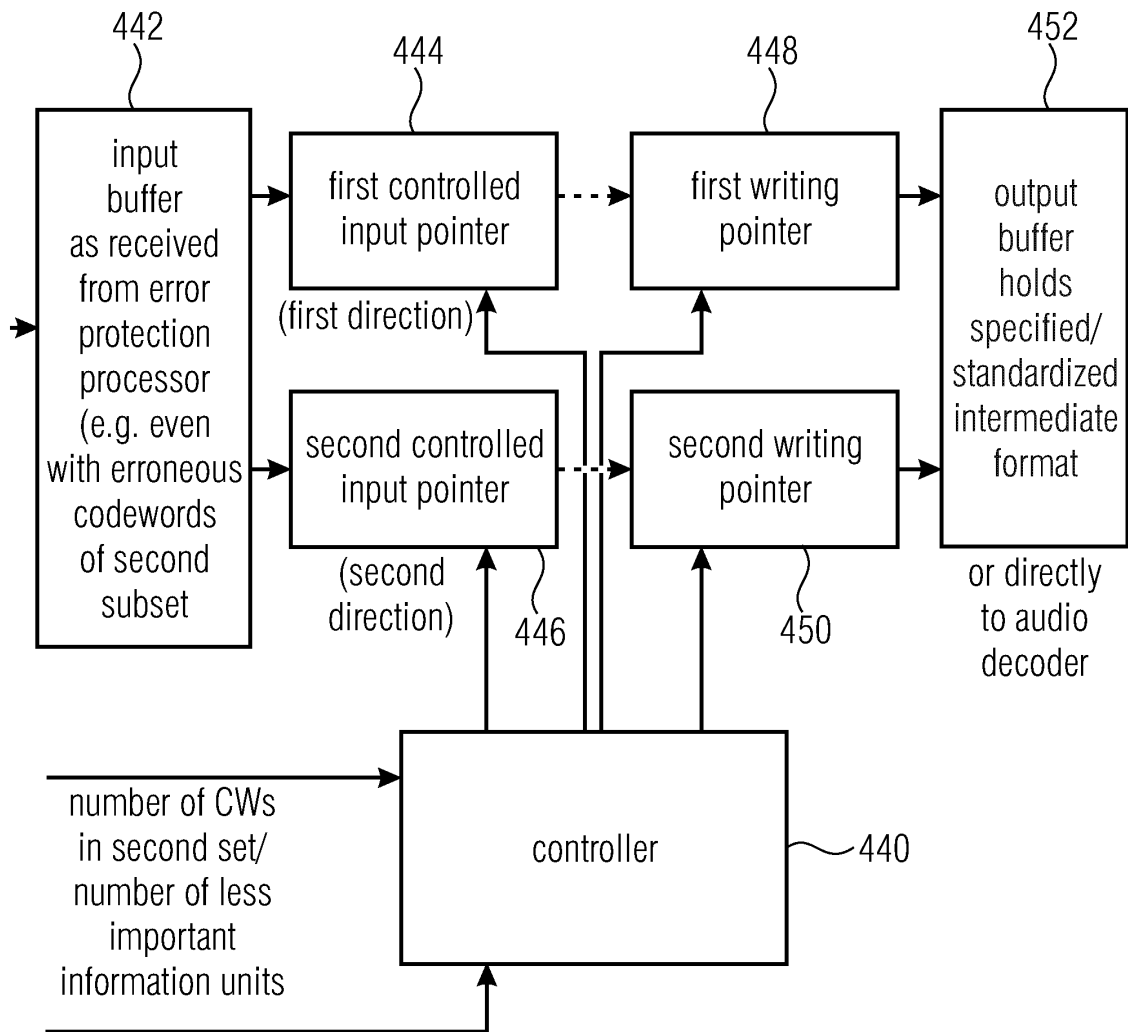


Fig. 17

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indication of erroneous CW of second subset from error protection processor

- controls writing pointers (e.g. for data exchange or by increments)
- sets first and second pointers to start positions/addresses in frame for first amount of information units
- synchronously increments input (reading) pointers
- detects that all CW of the first subset are read from the input buffer
- sets first and second pointers' start positions/addresses for the second amount of information units
- synchronously increments reading pointers

Fig. 18

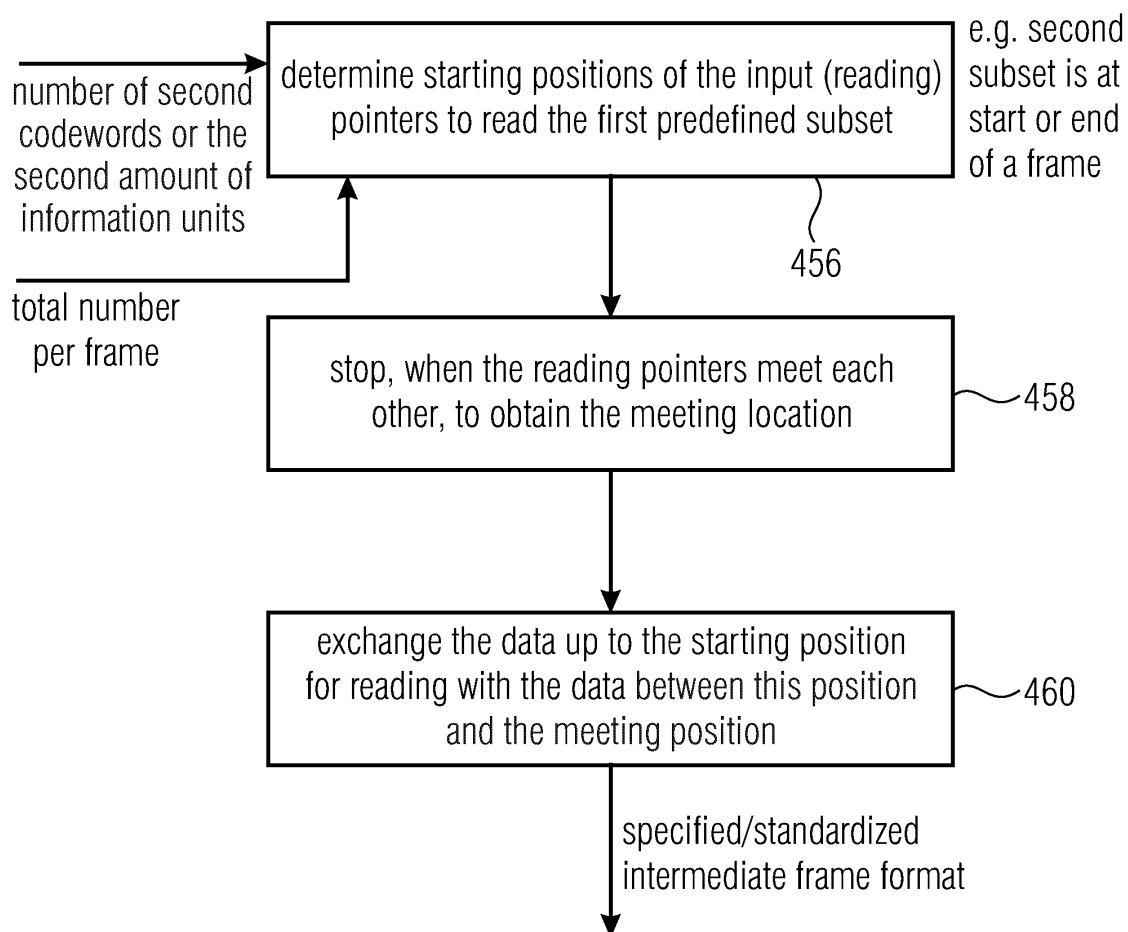


Fig. 19
(REARRANGING)

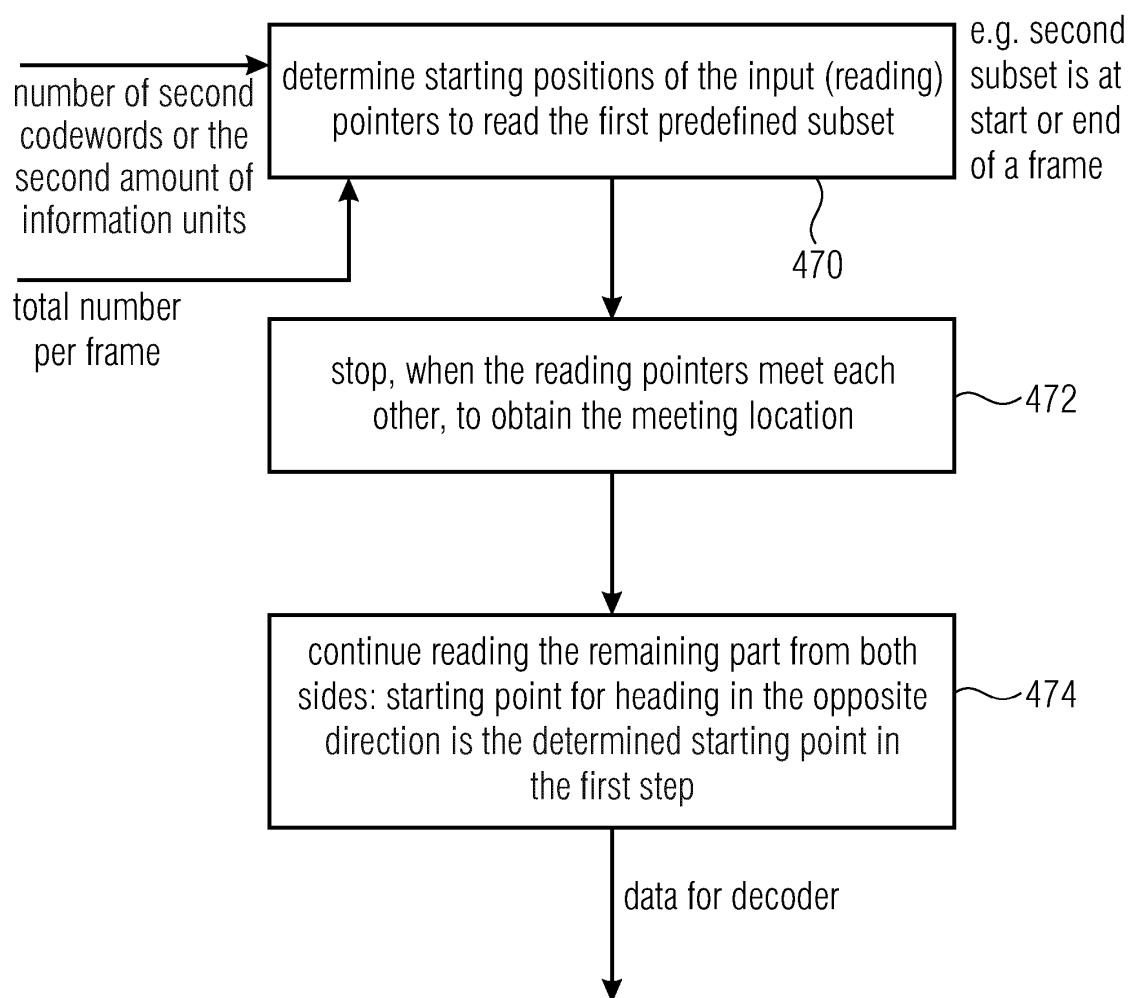


Fig. 20
(DIRECT DECODING)

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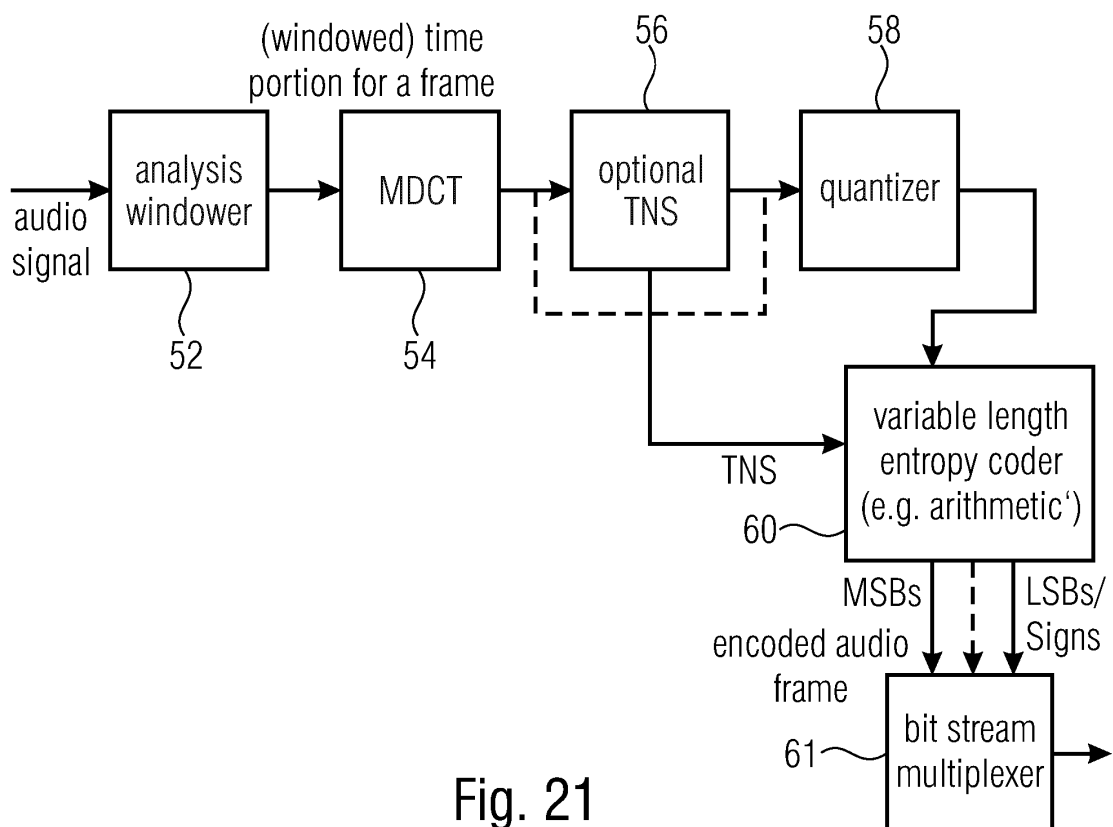


Fig. 21

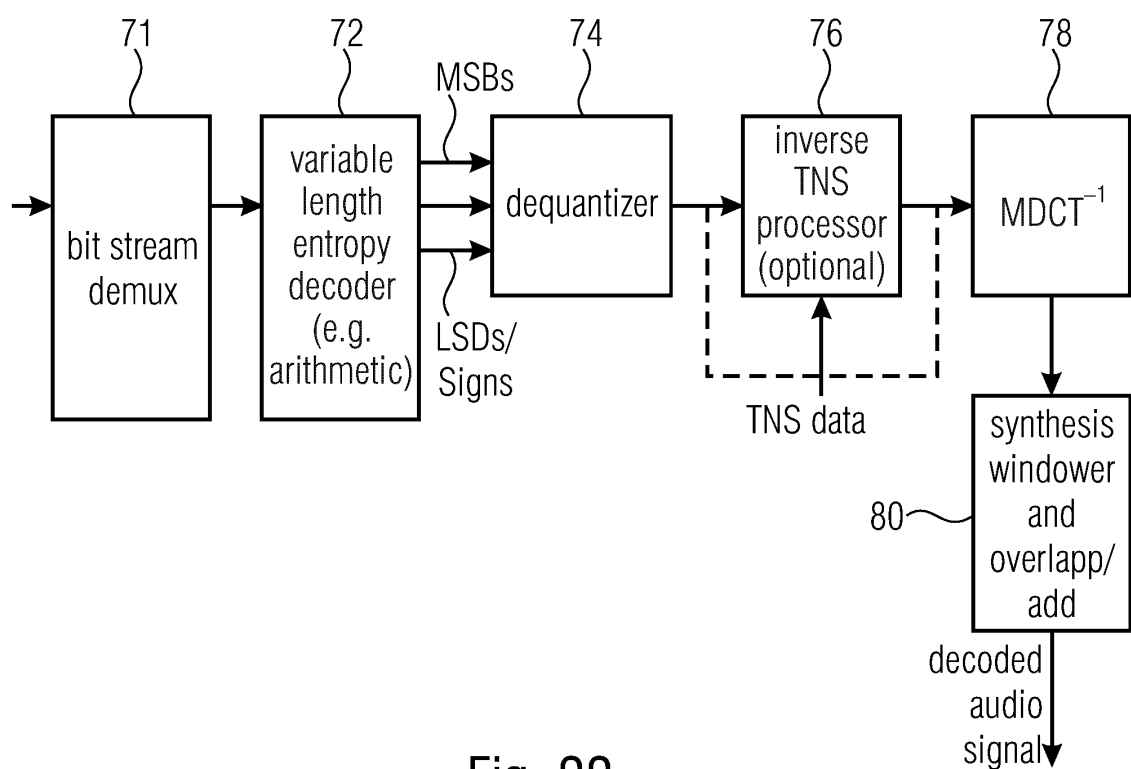


Fig. 22