

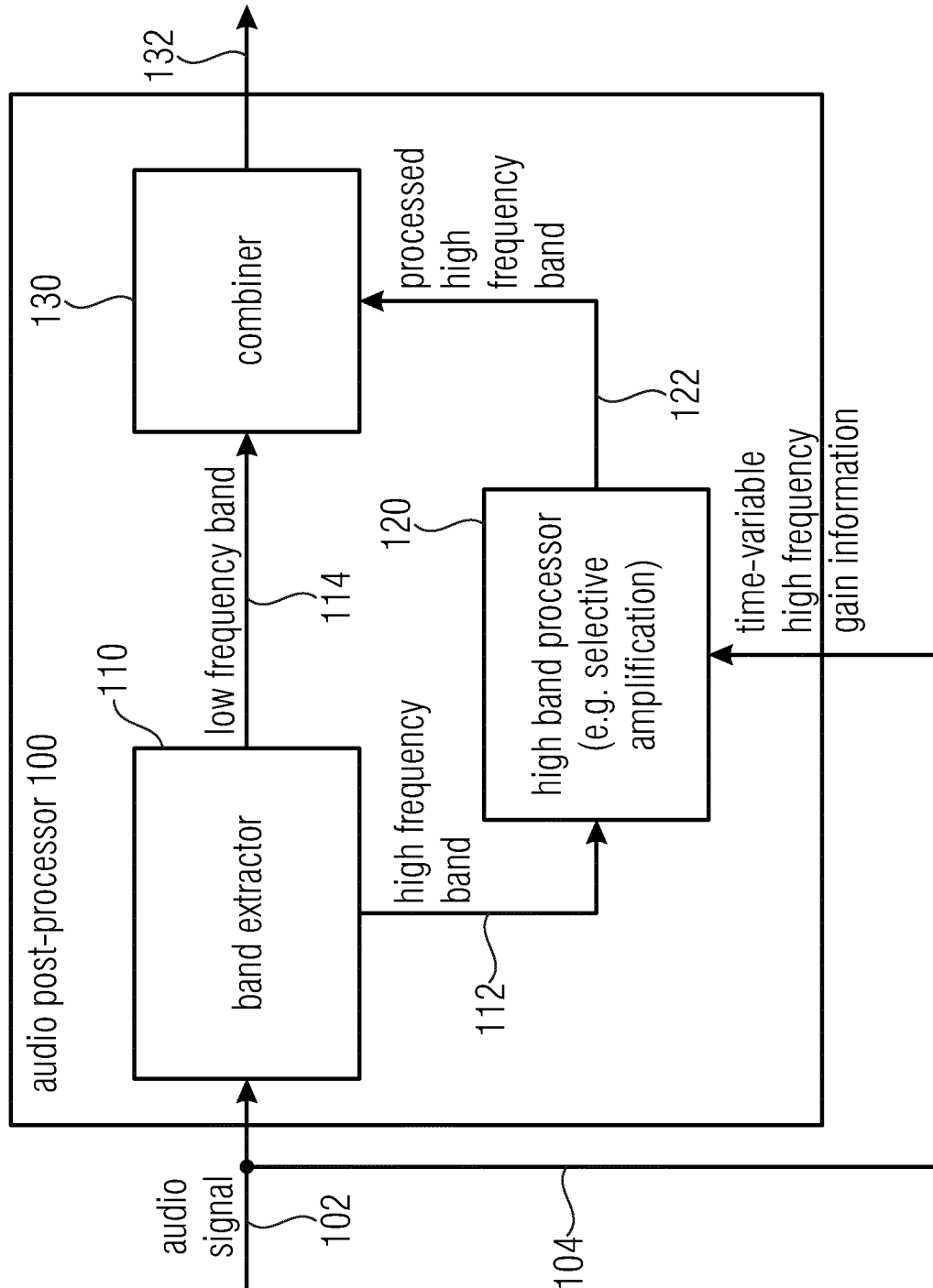


Fig. 1

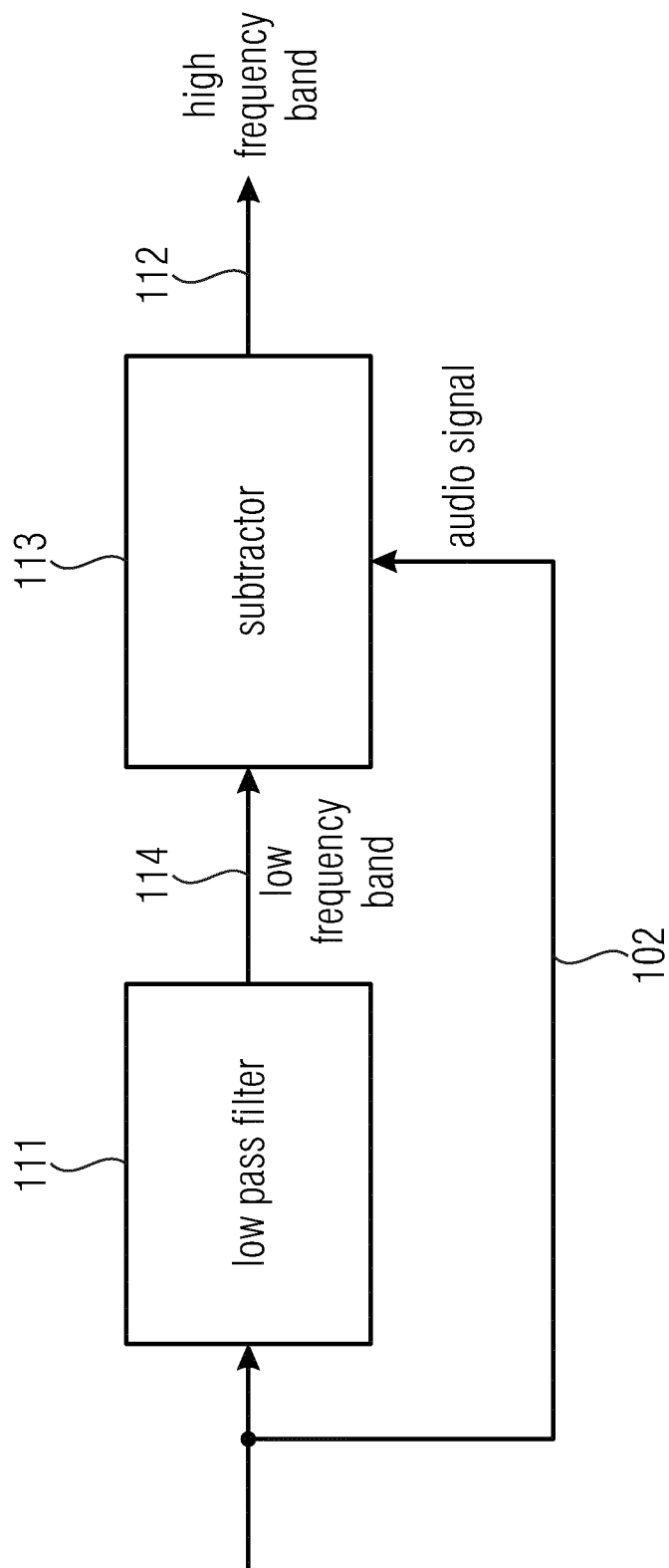


Fig. 2

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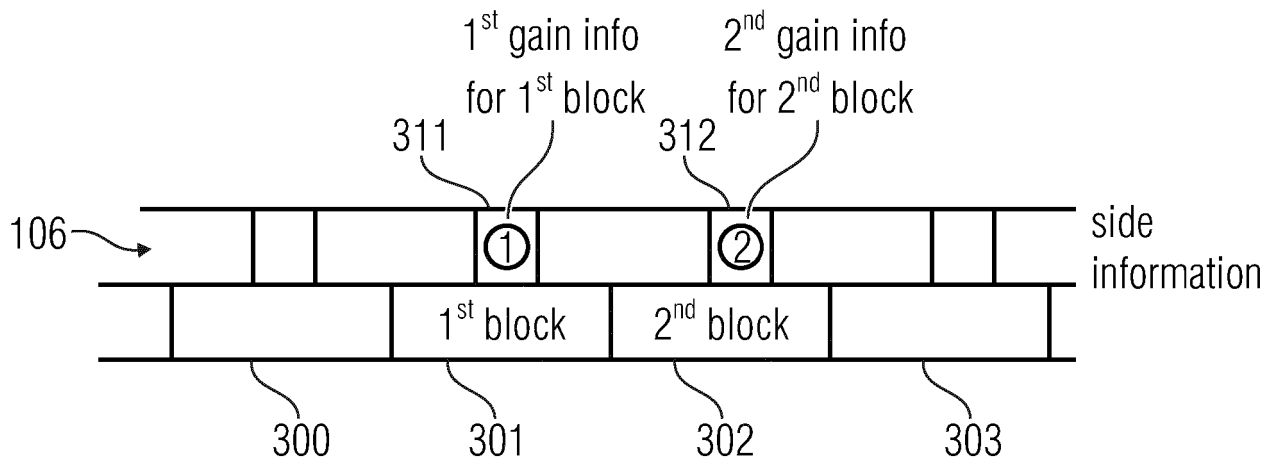


Fig. 3a

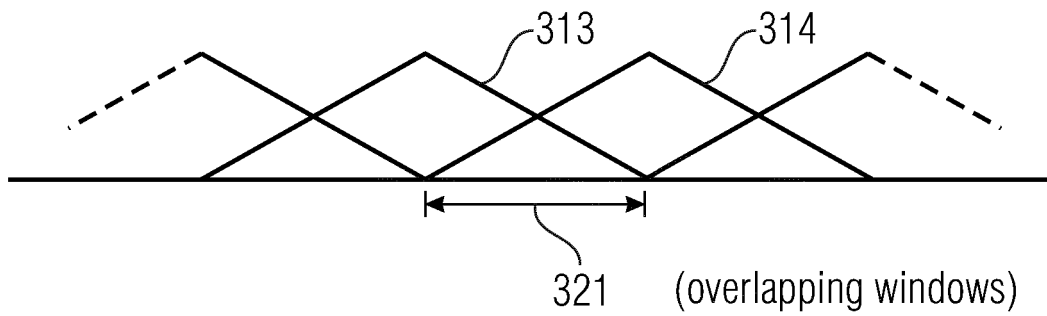


Fig. 3b

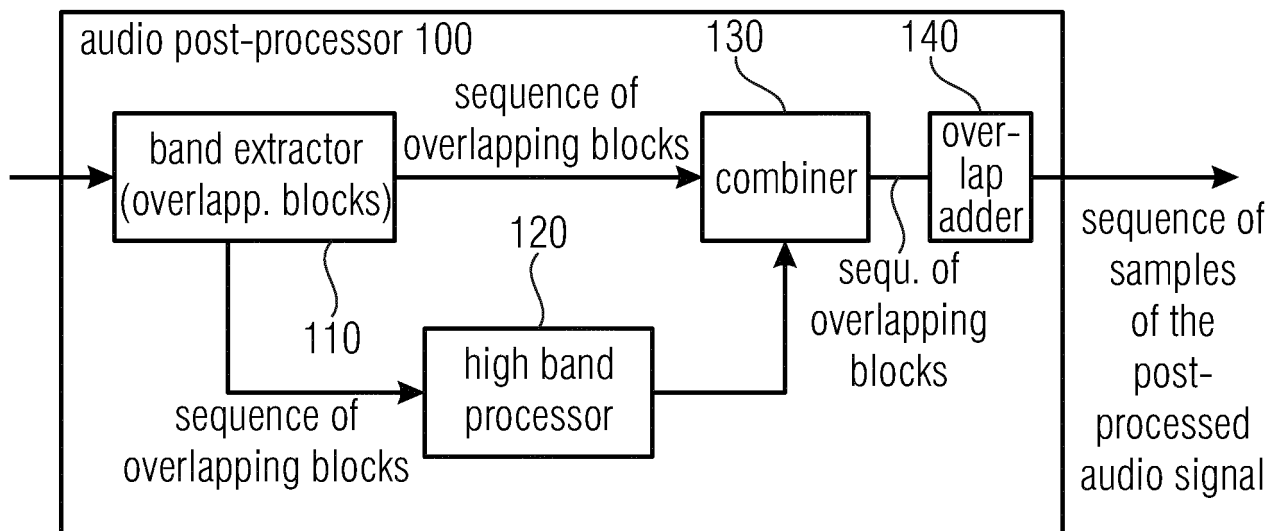


Fig. 3c

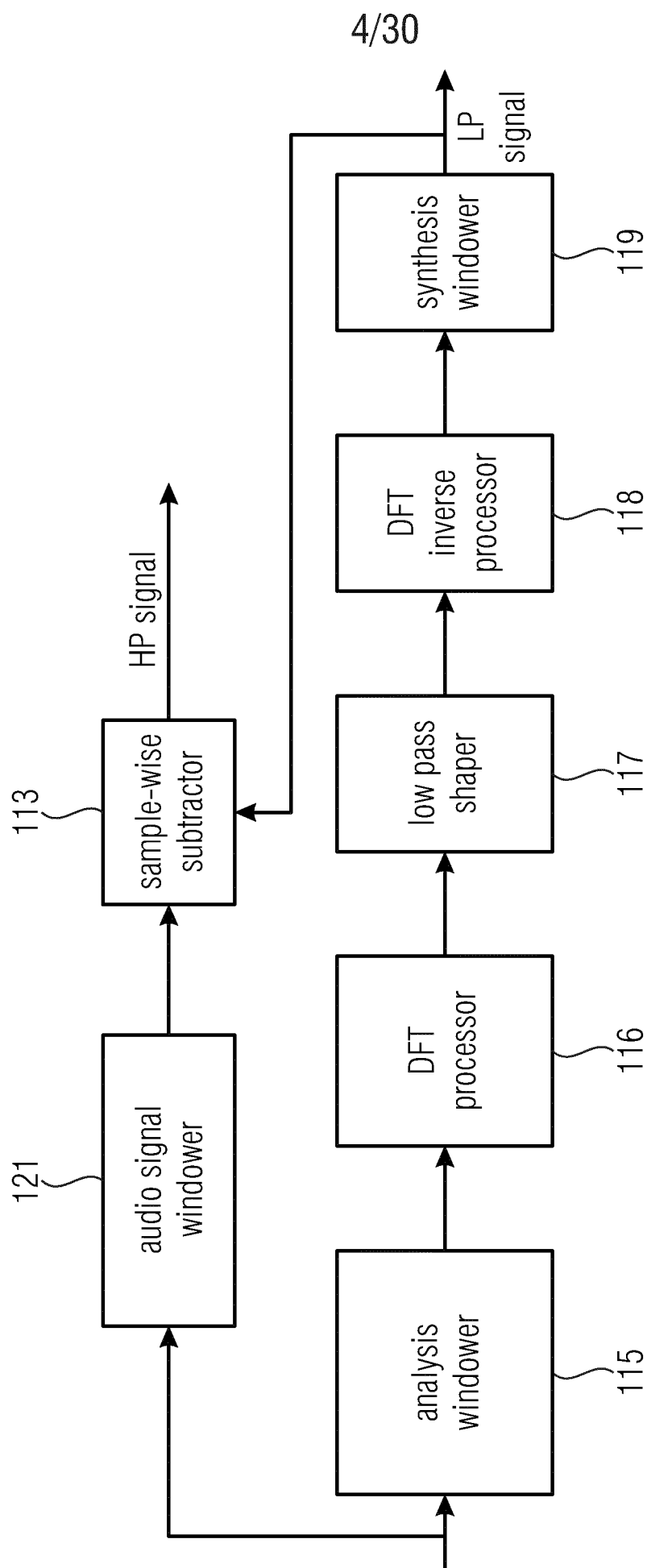


Fig. 4

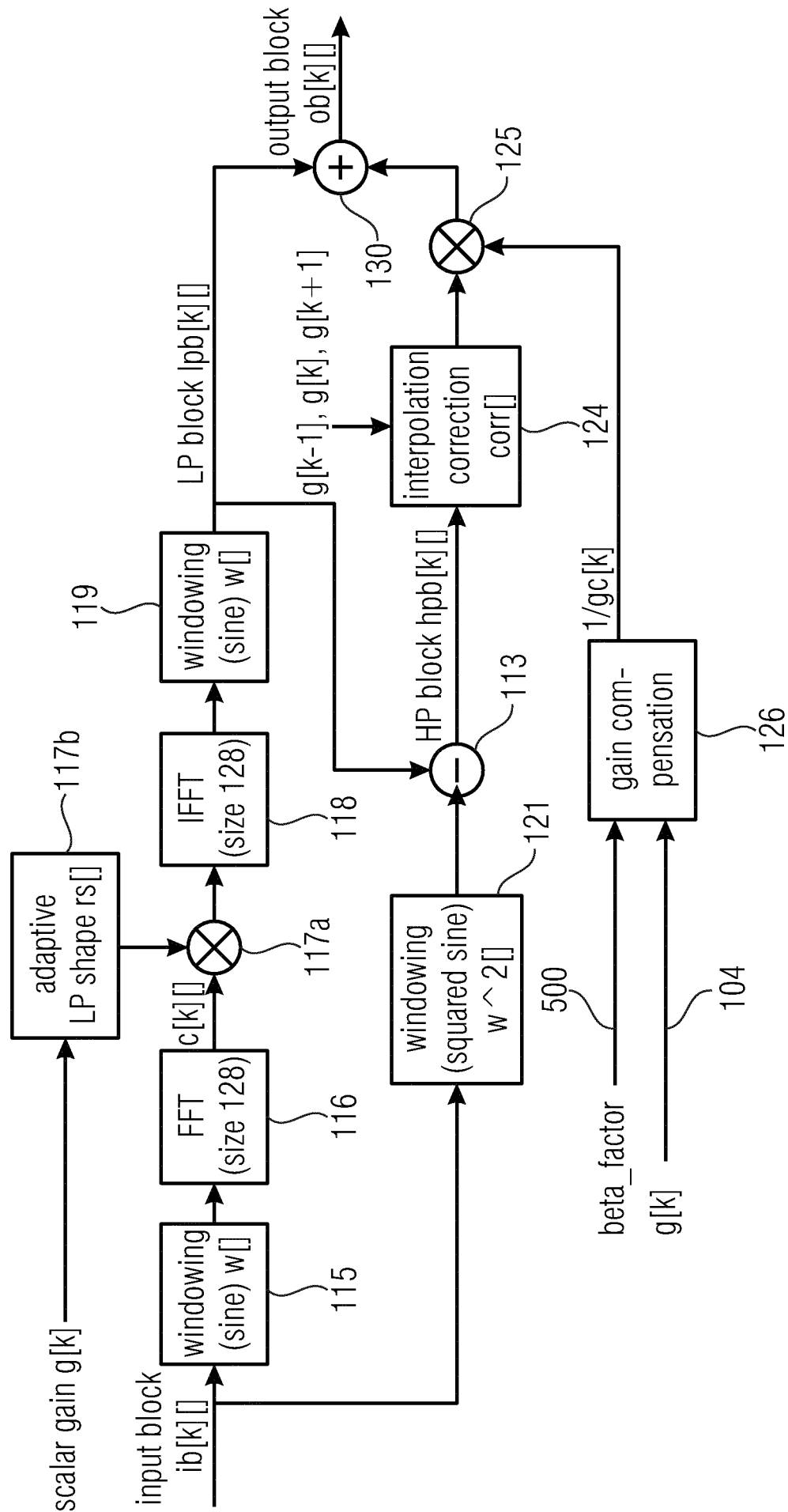


Fig. 5a

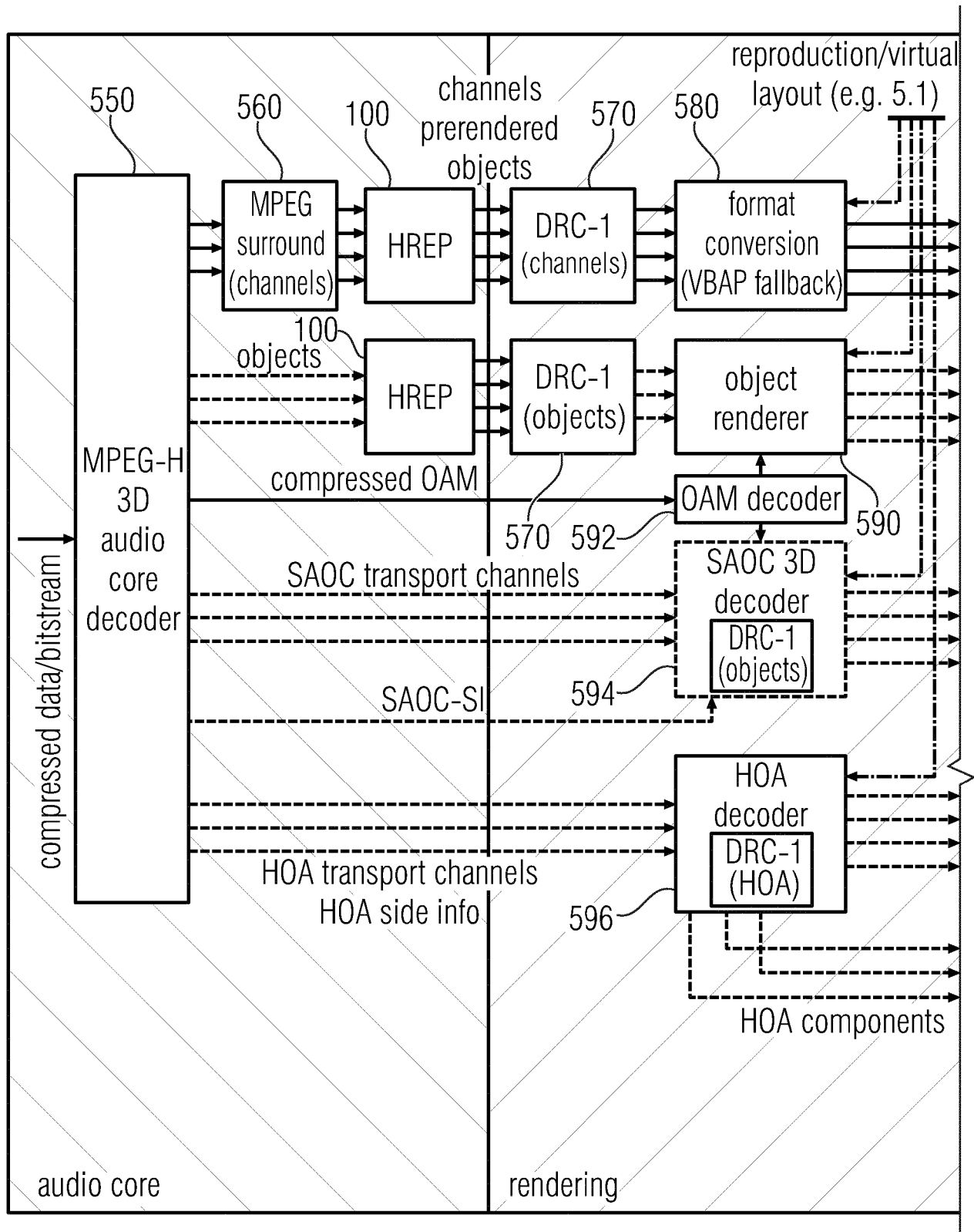


Fig. 5b1

Fig. 5b

Fig. 5b1

Fig. 5b2

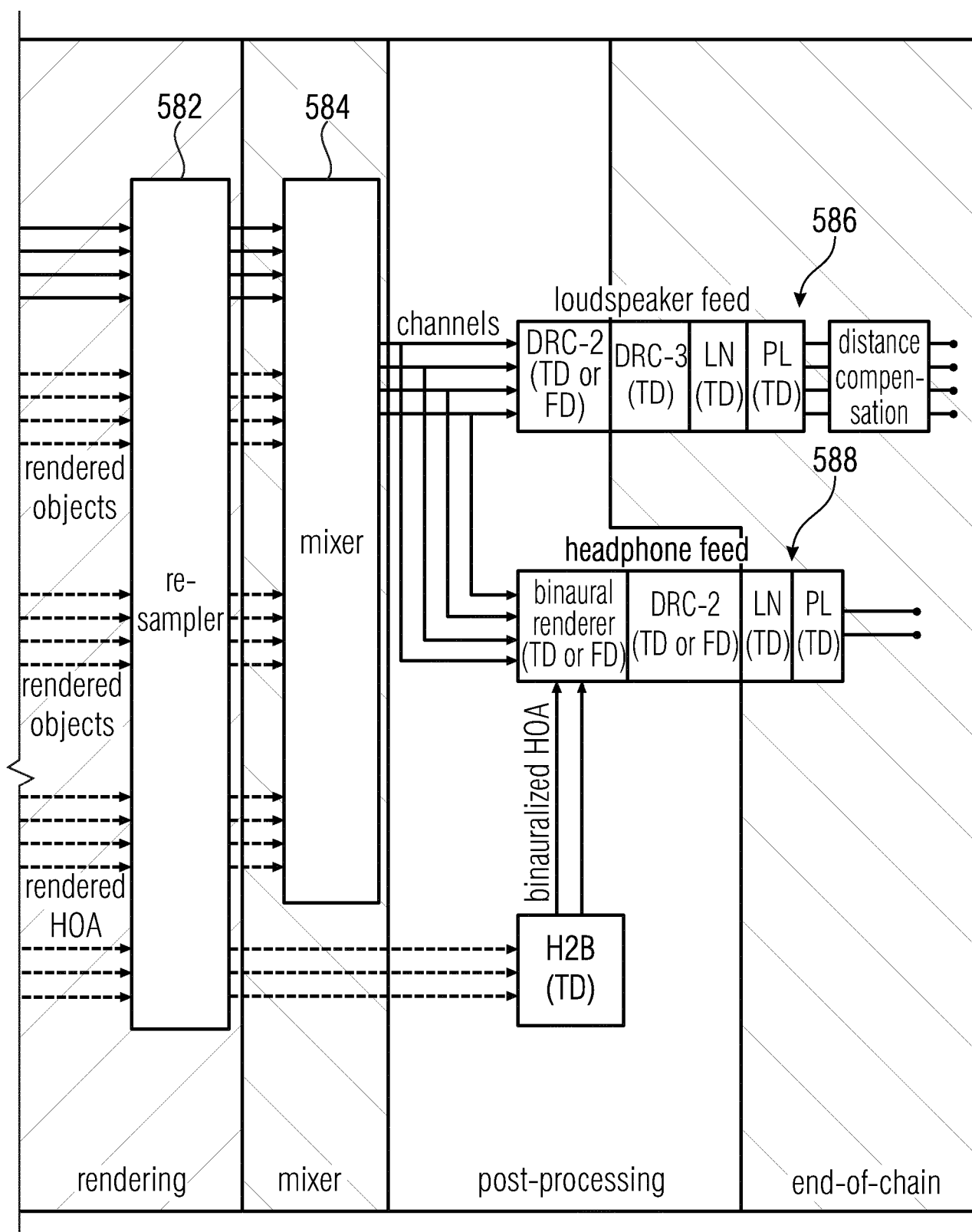


Fig. 5b2

Fig. 5b	Fig. 5b1
	Fig. 5b2

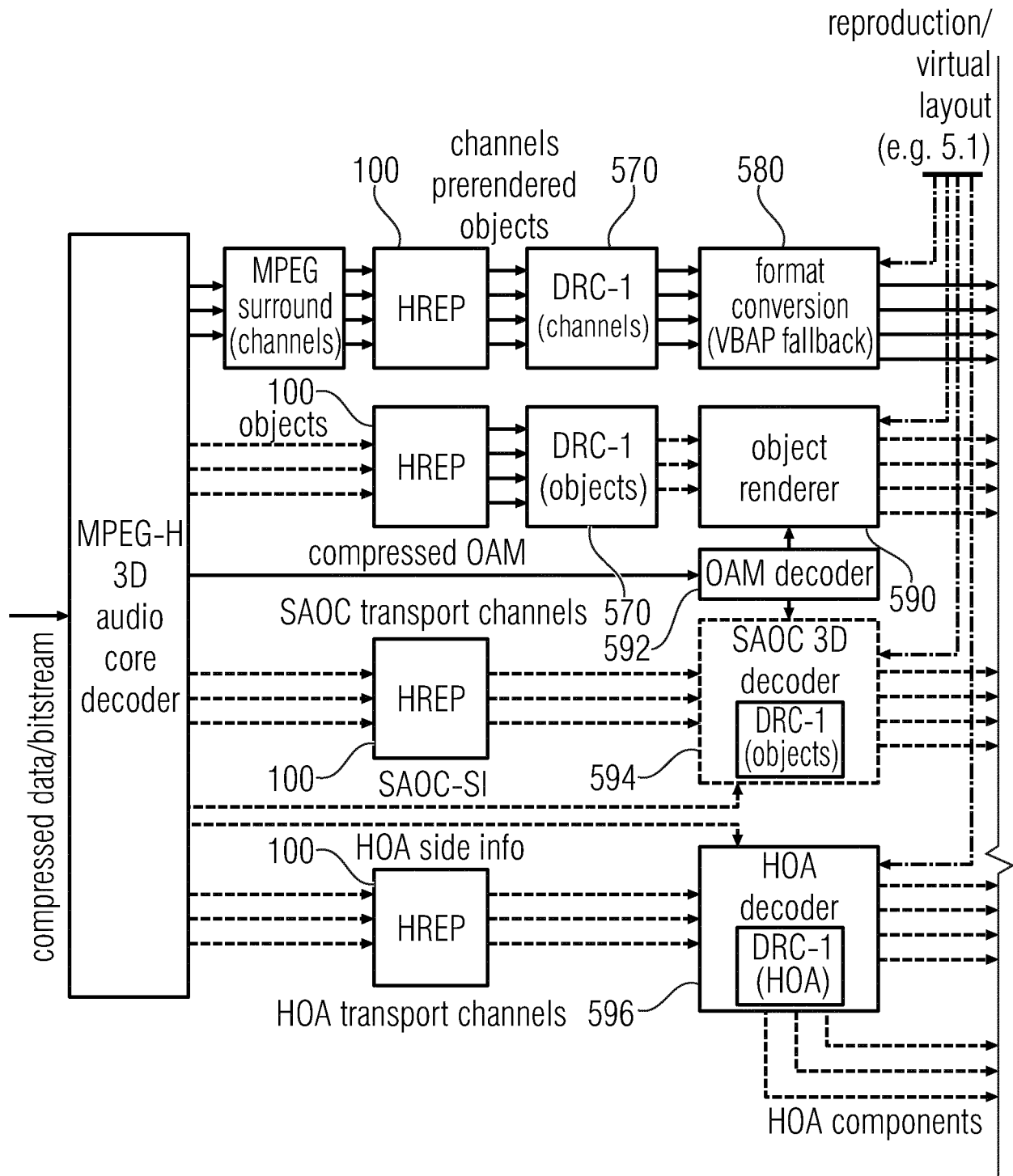


Fig. 5c1

Fig. 5c	Fig. 5c1
	Fig. 5c2

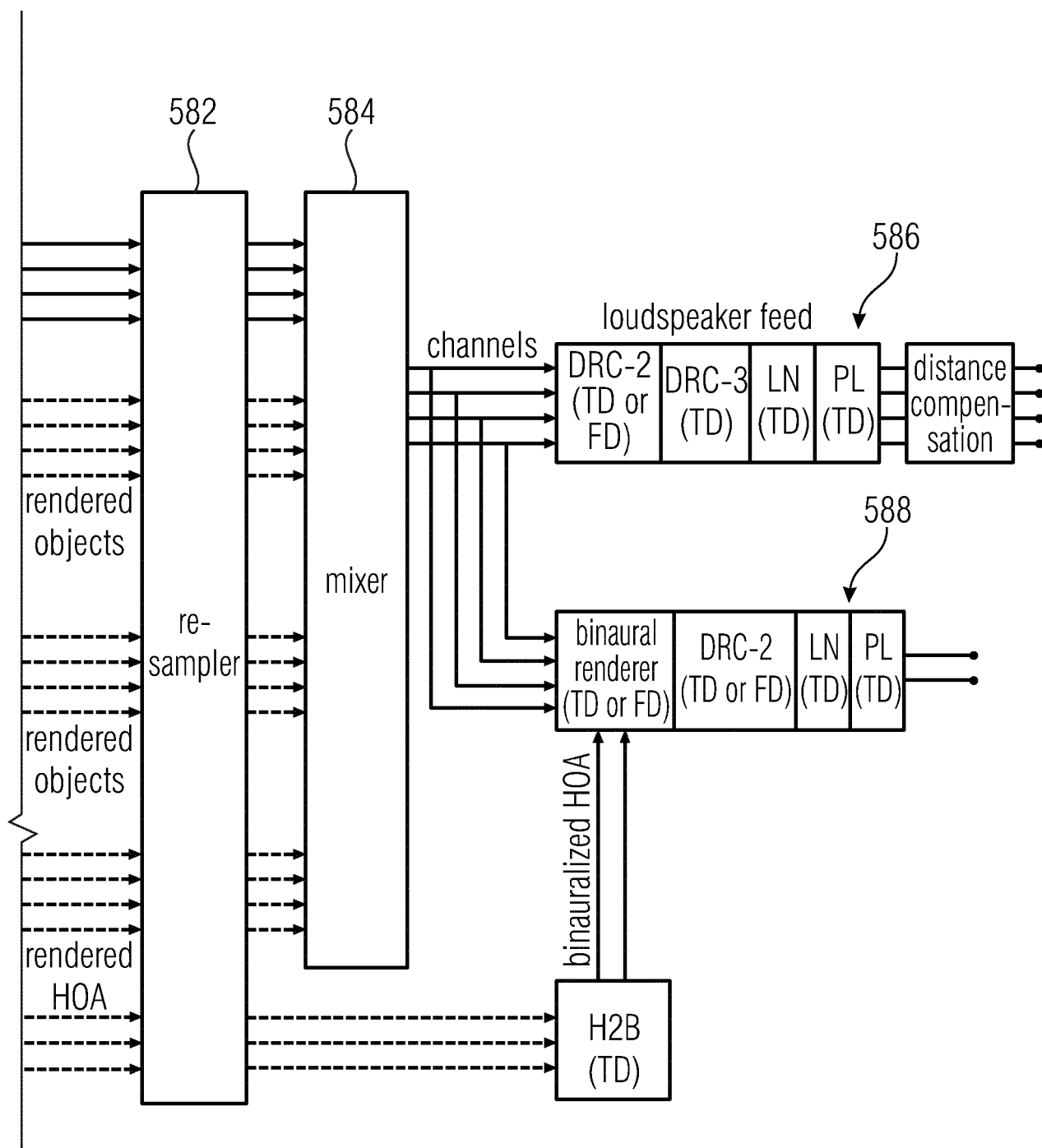


Fig. 5c2

Fig. 5c	Fig. 5c1
	Fig. 5c2

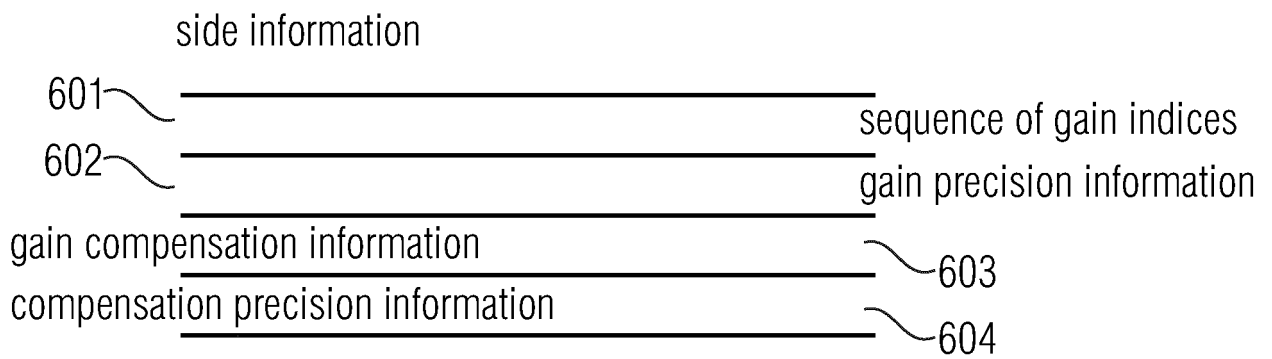


Fig. 6a

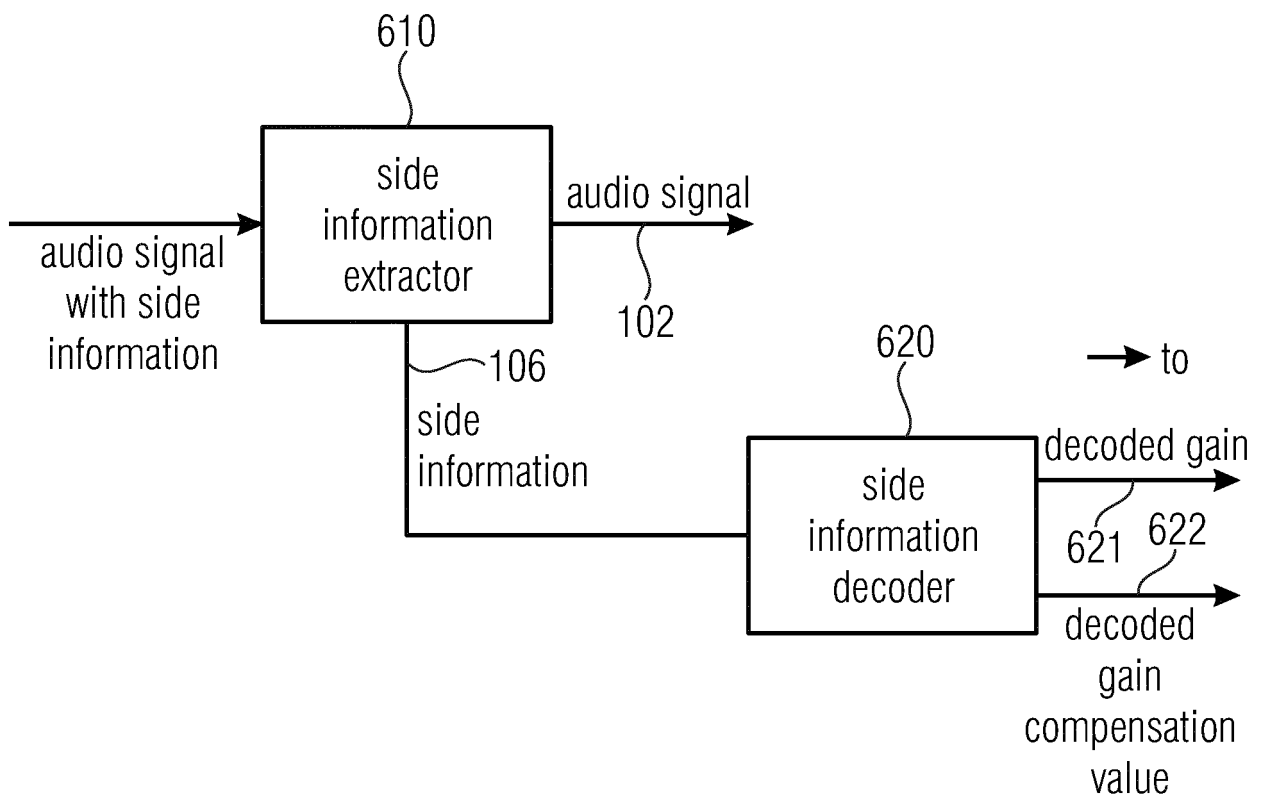


Fig. 6b

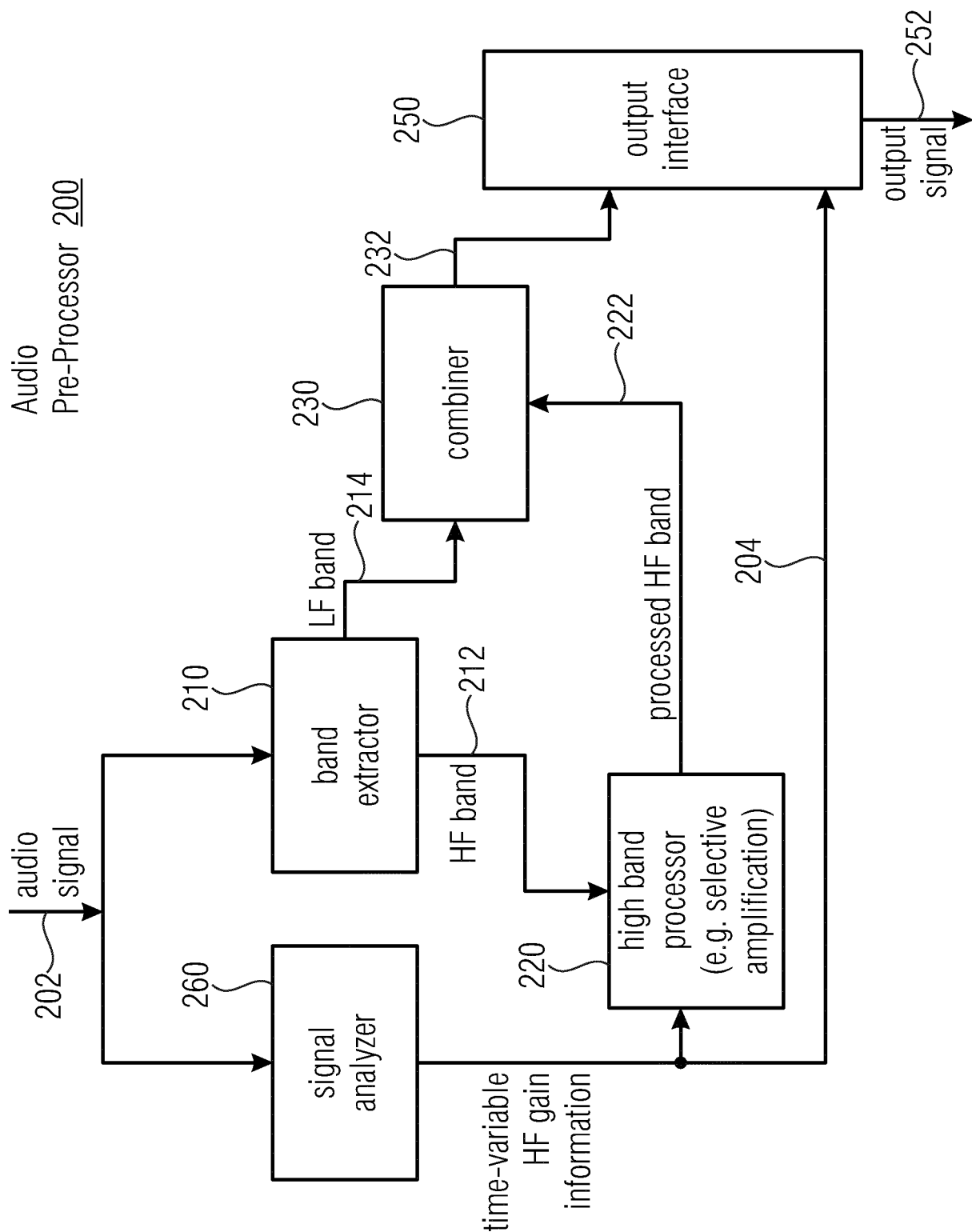


Fig. 7

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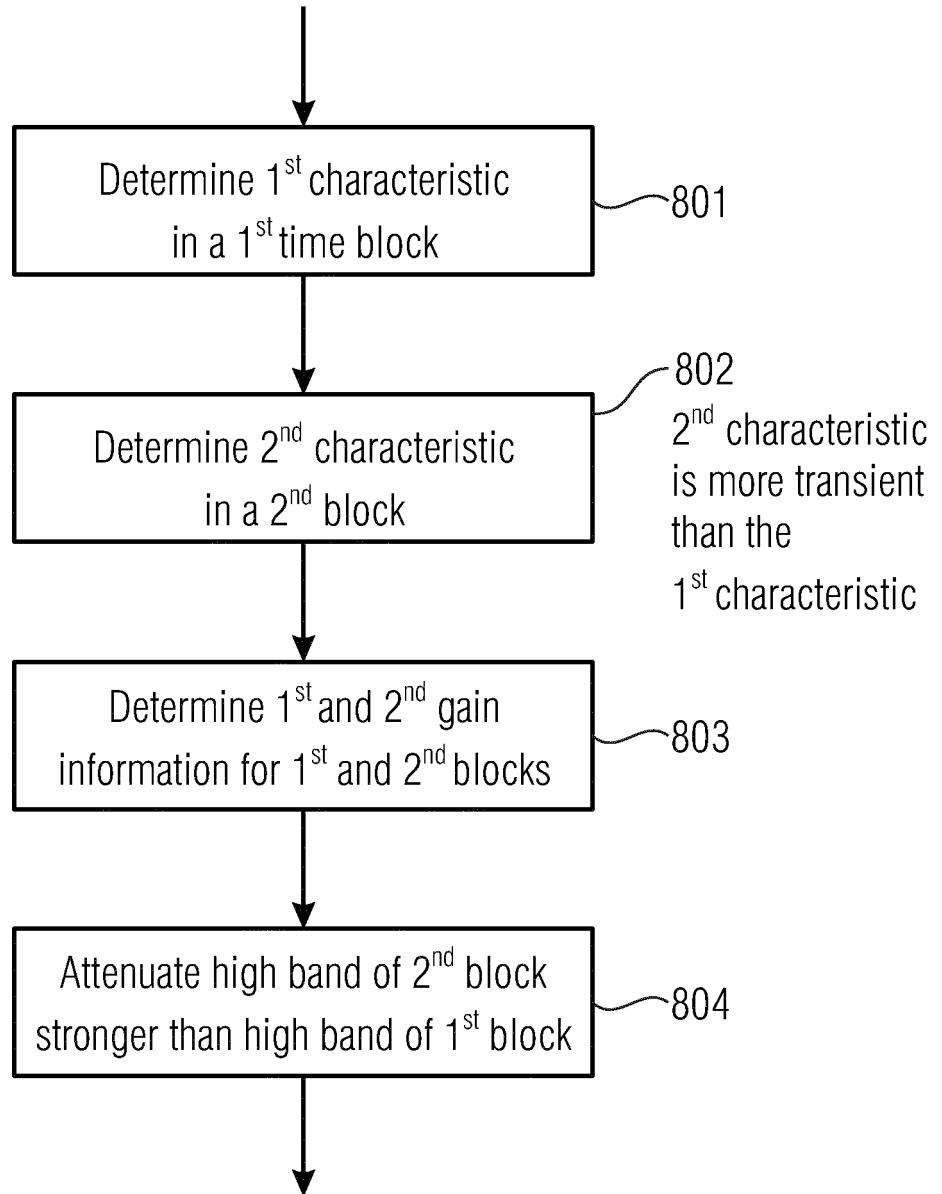


Fig. 8a

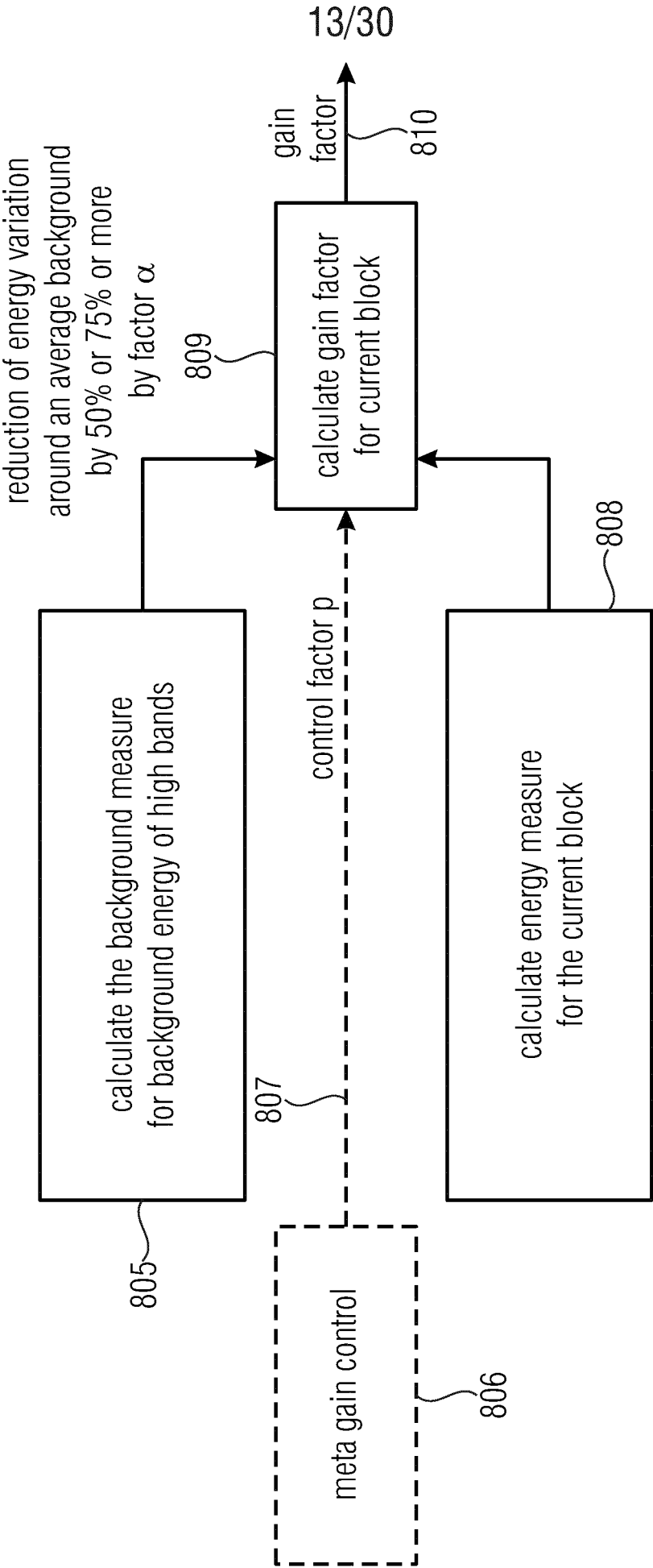


Fig. 8b

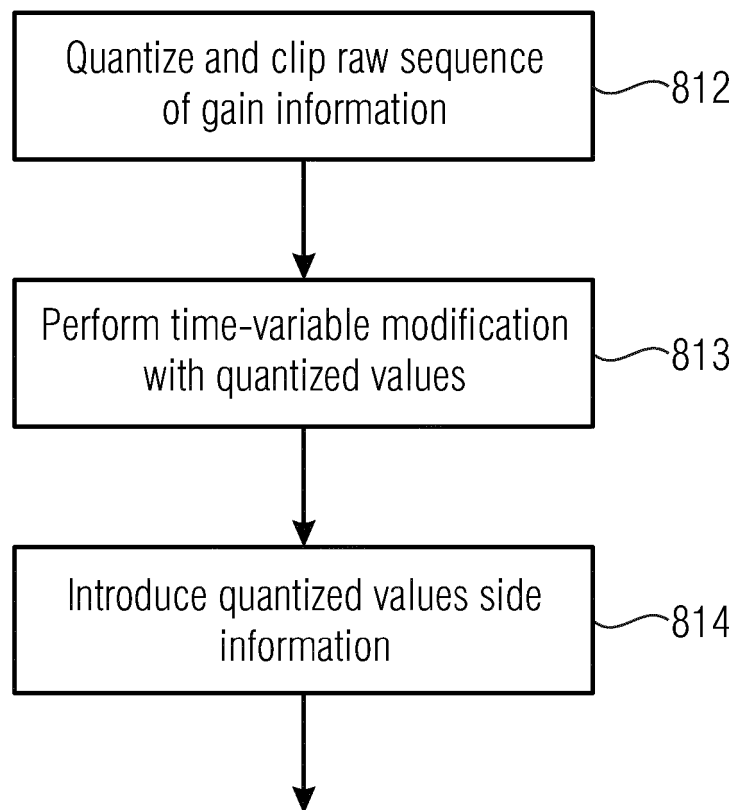


Fig. 8c

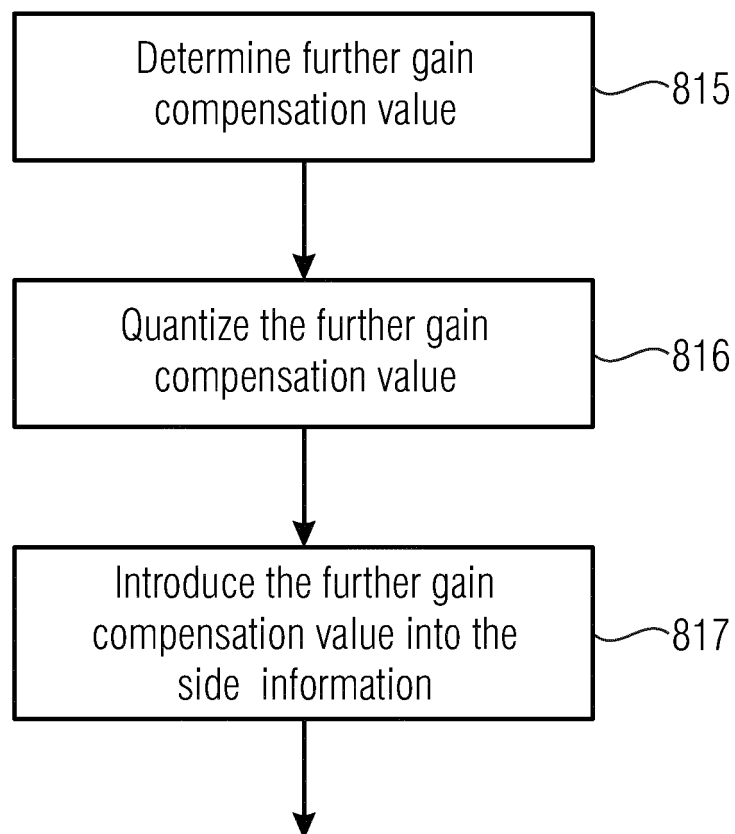


Fig. 8d

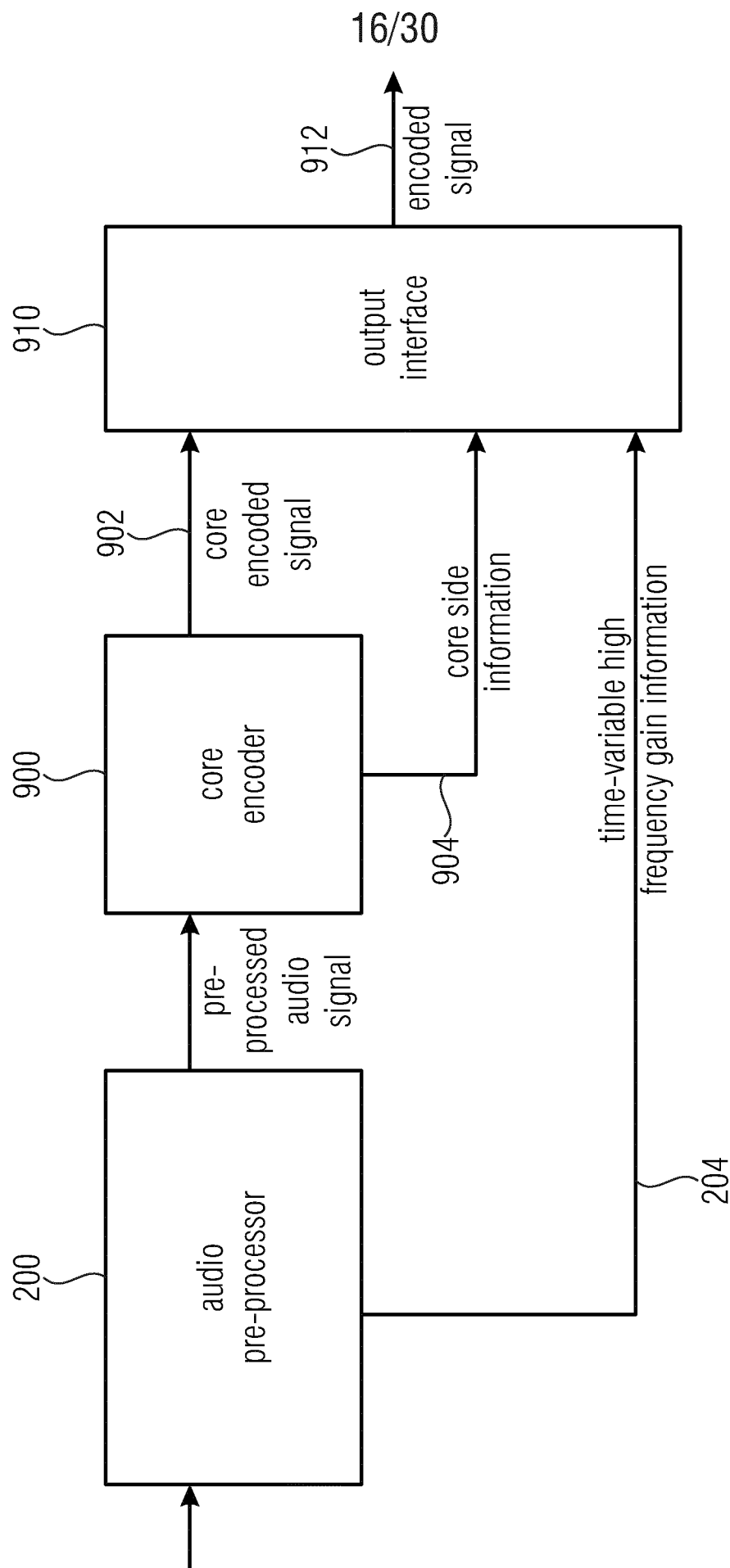


Fig. 9a

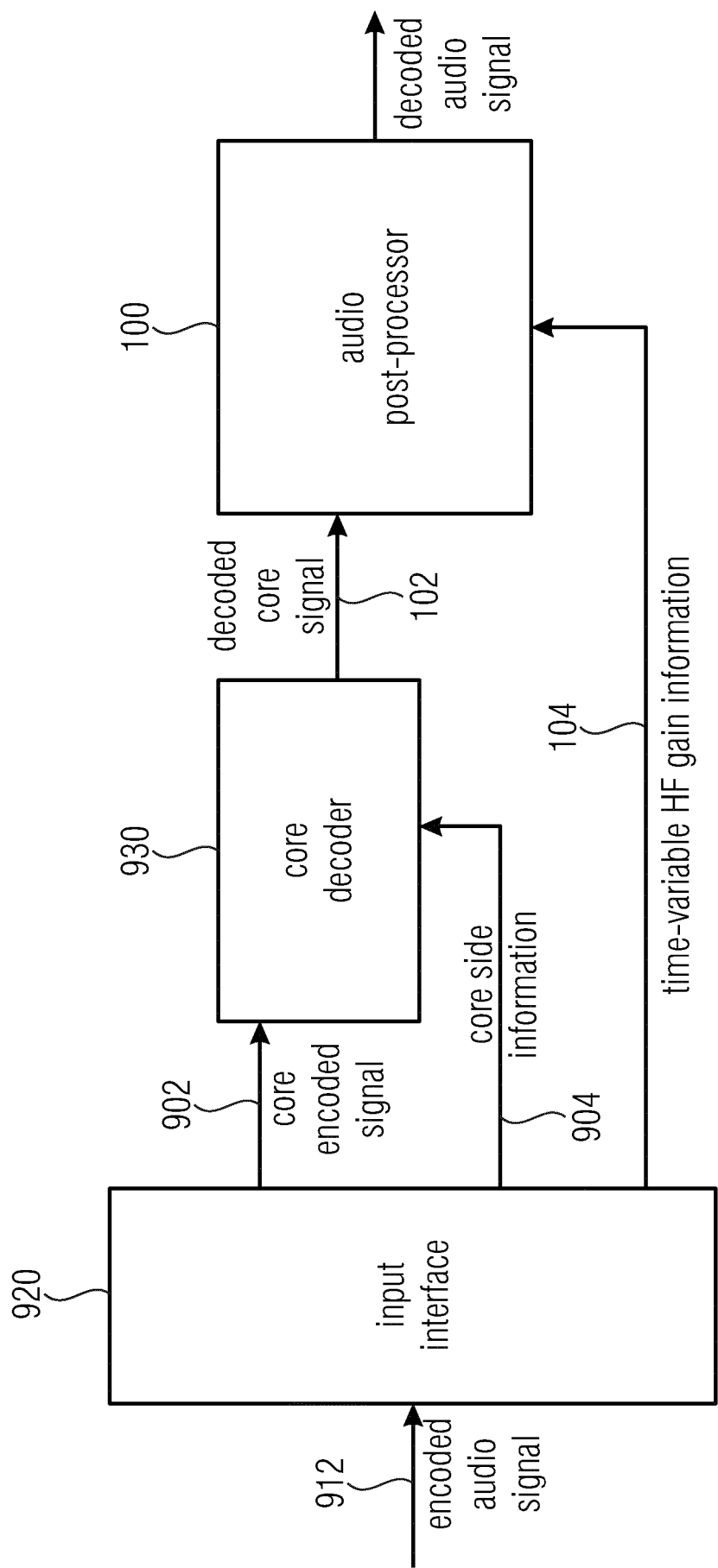


Fig. 9b

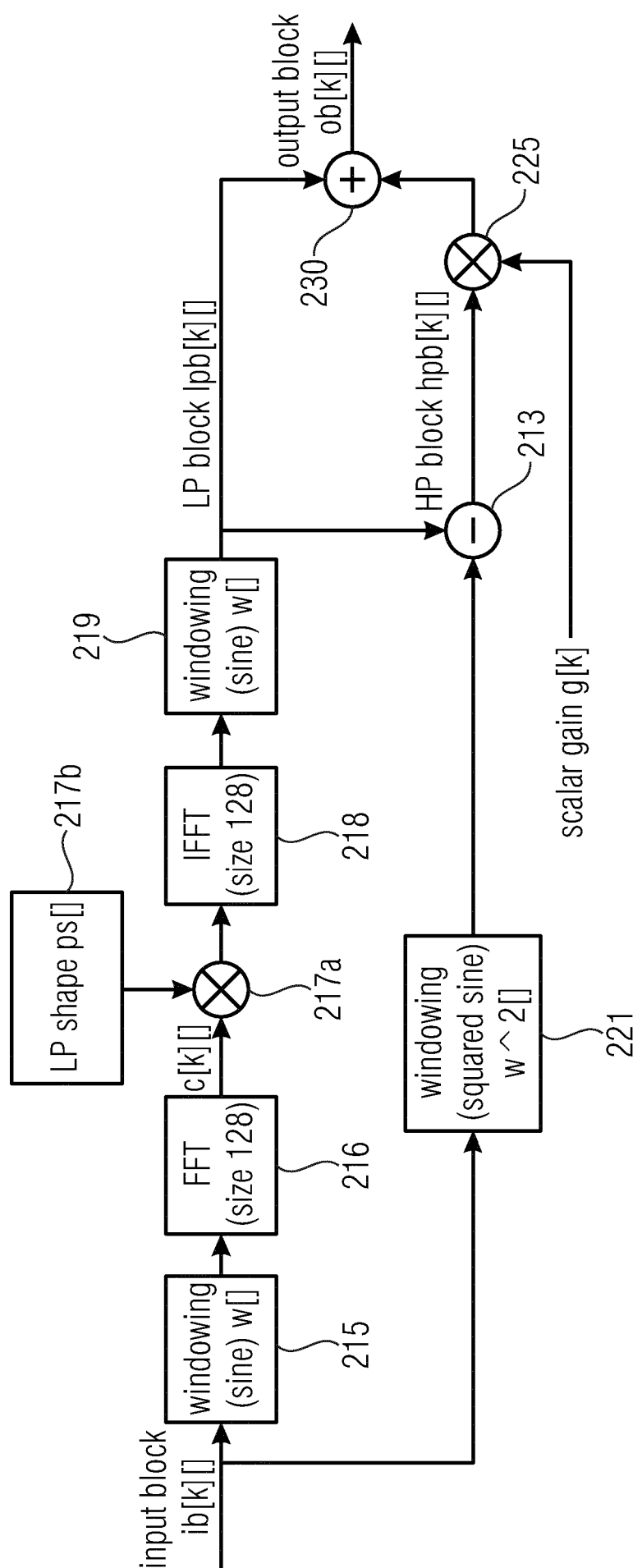


Fig. 9c

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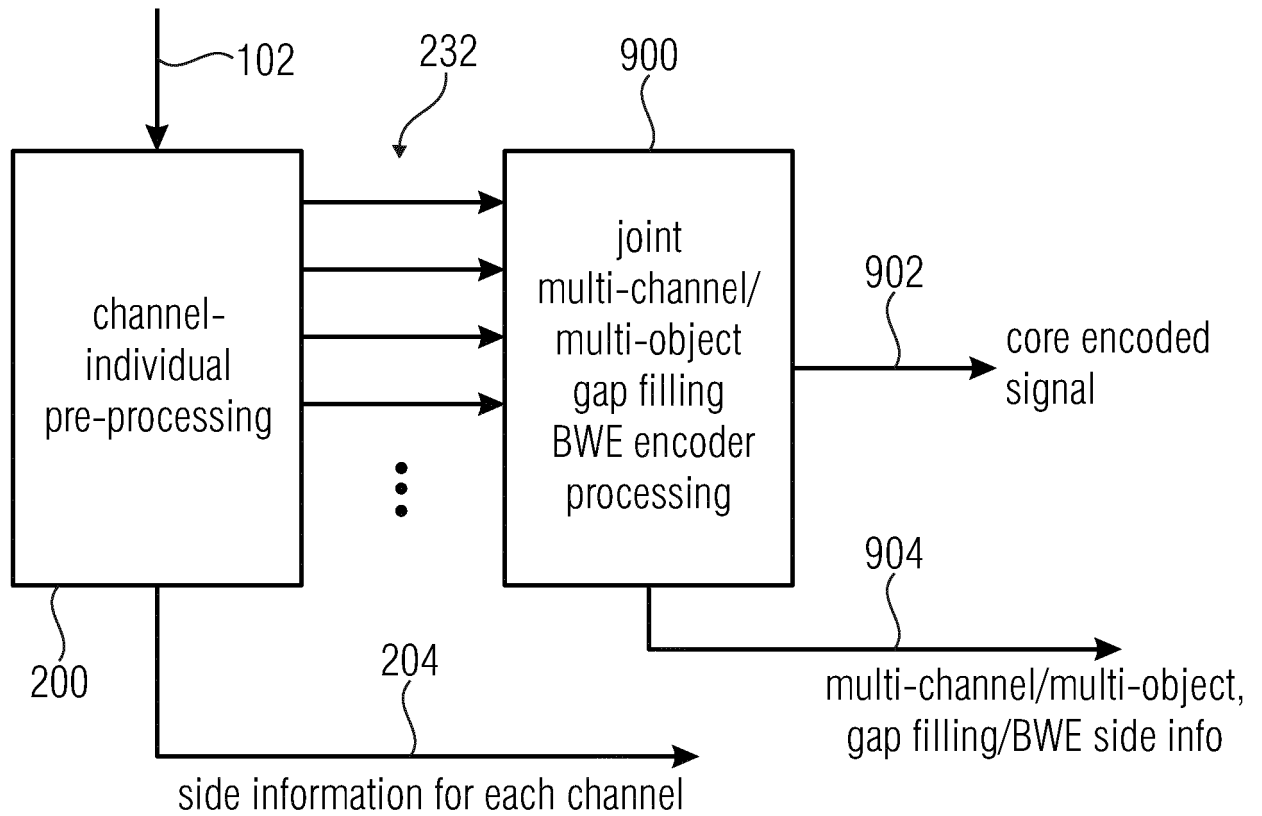


Fig. 10a

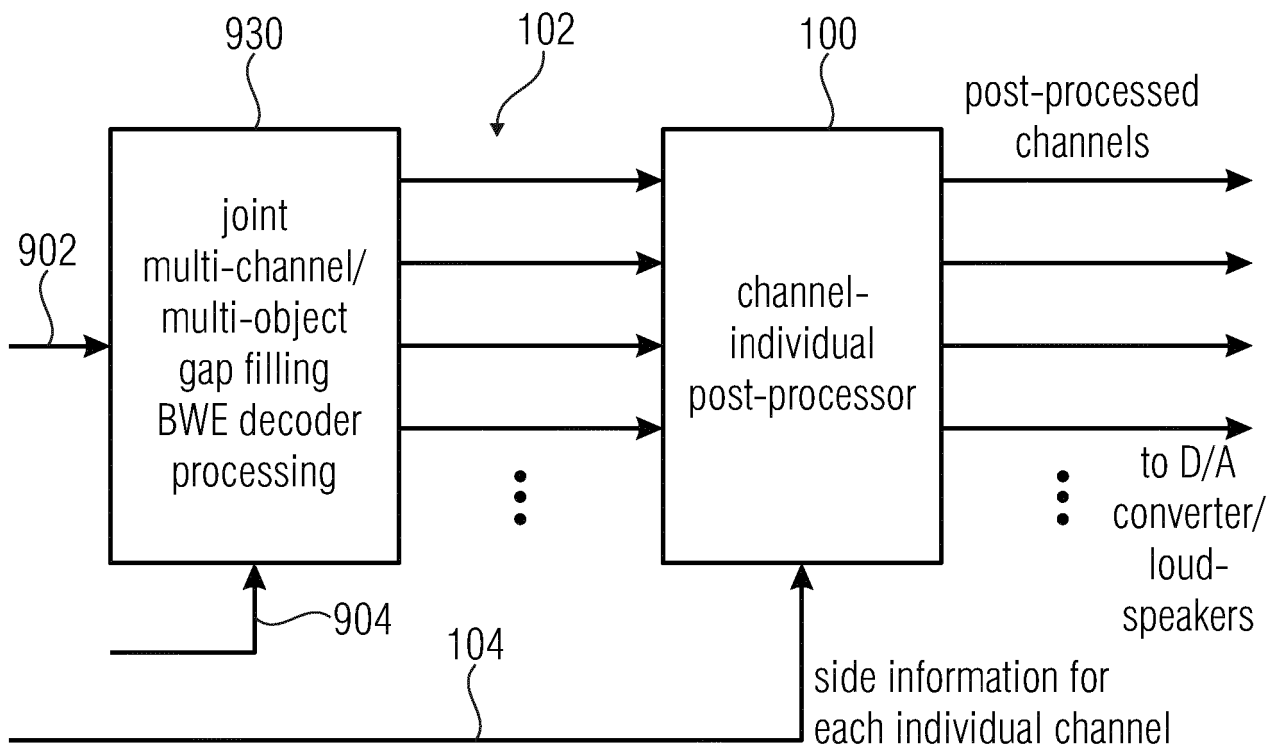


Fig. 10b

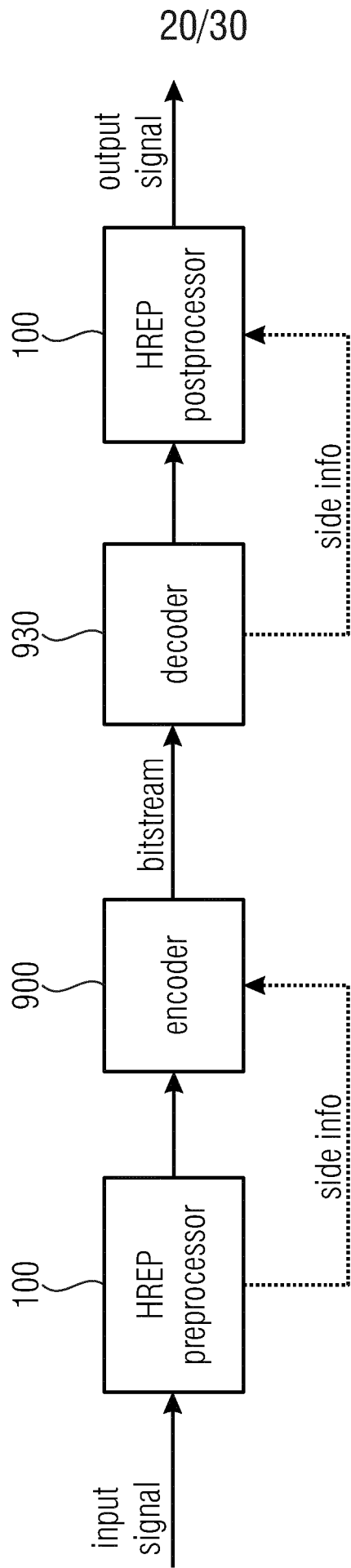


Fig. 10c

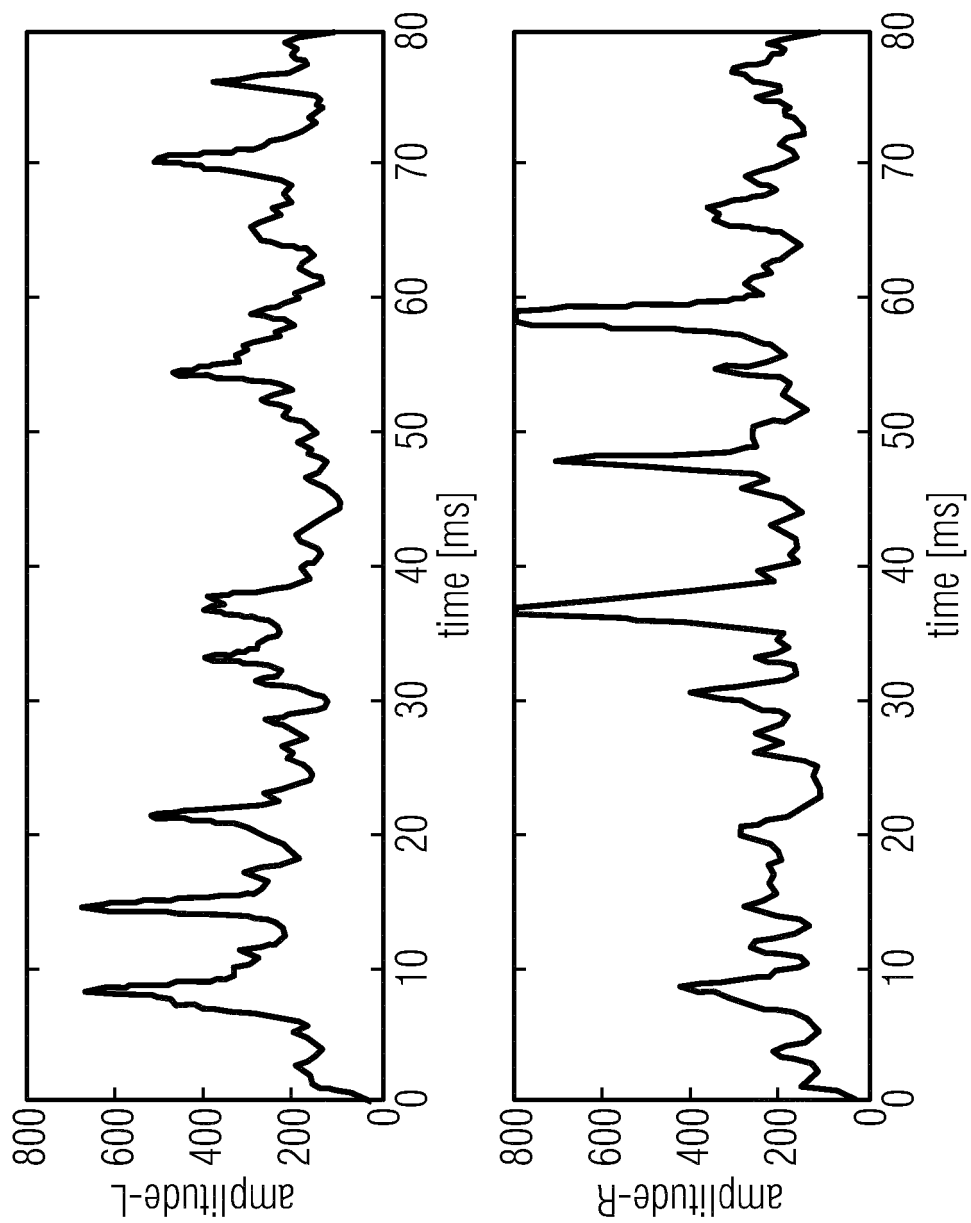


Fig. 11

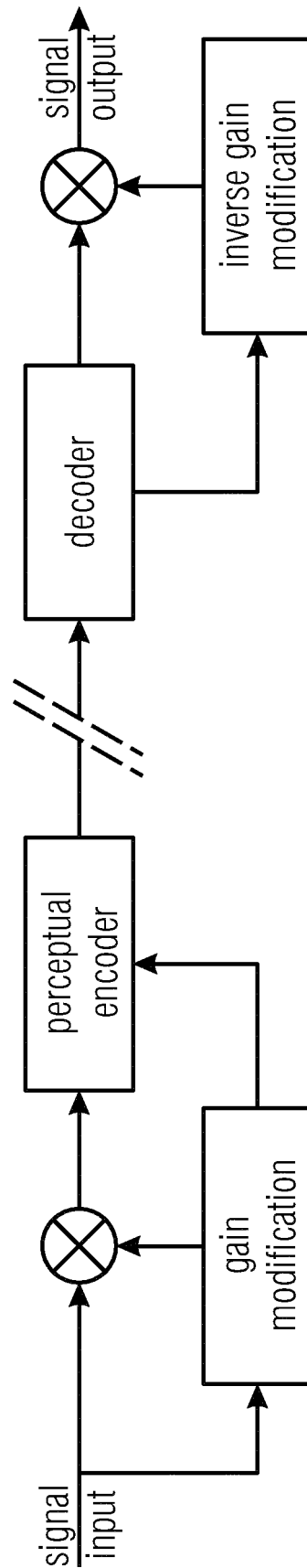


Fig. 12

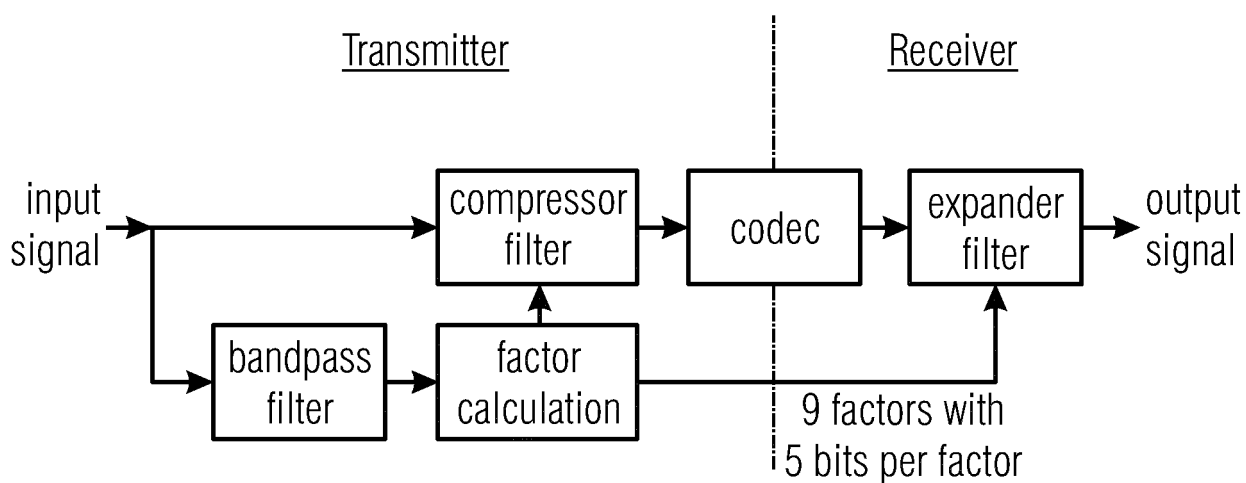


Fig. 13a

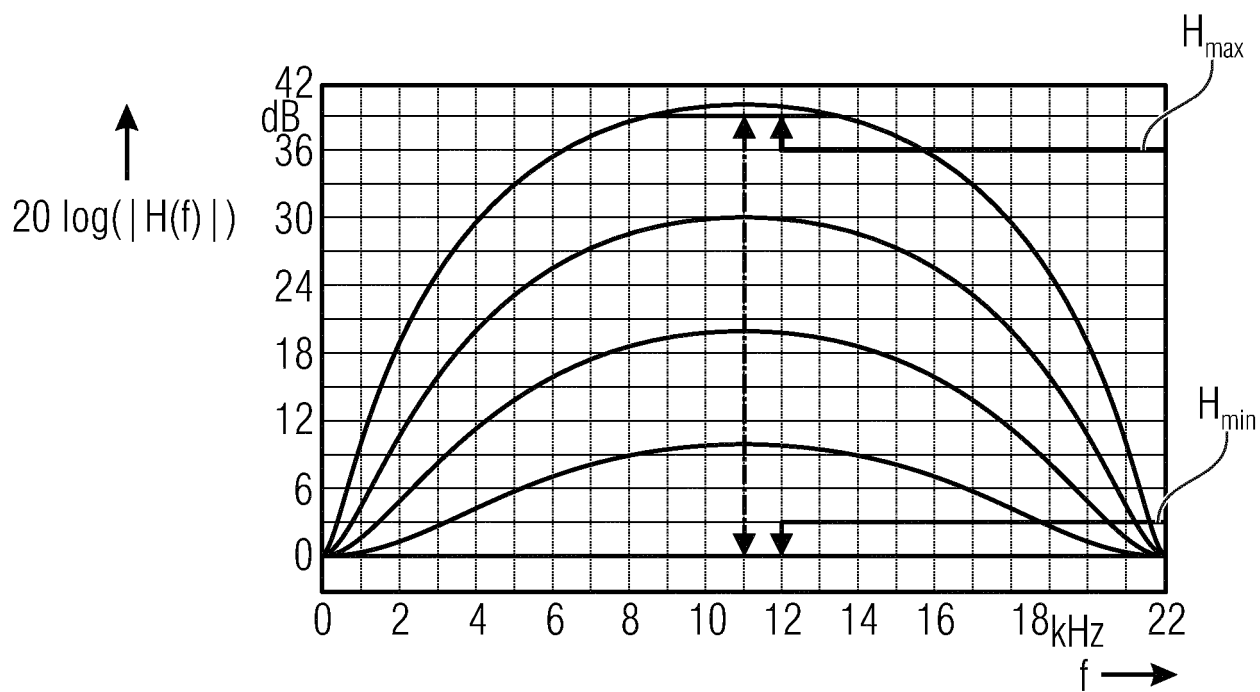


Fig. 13b

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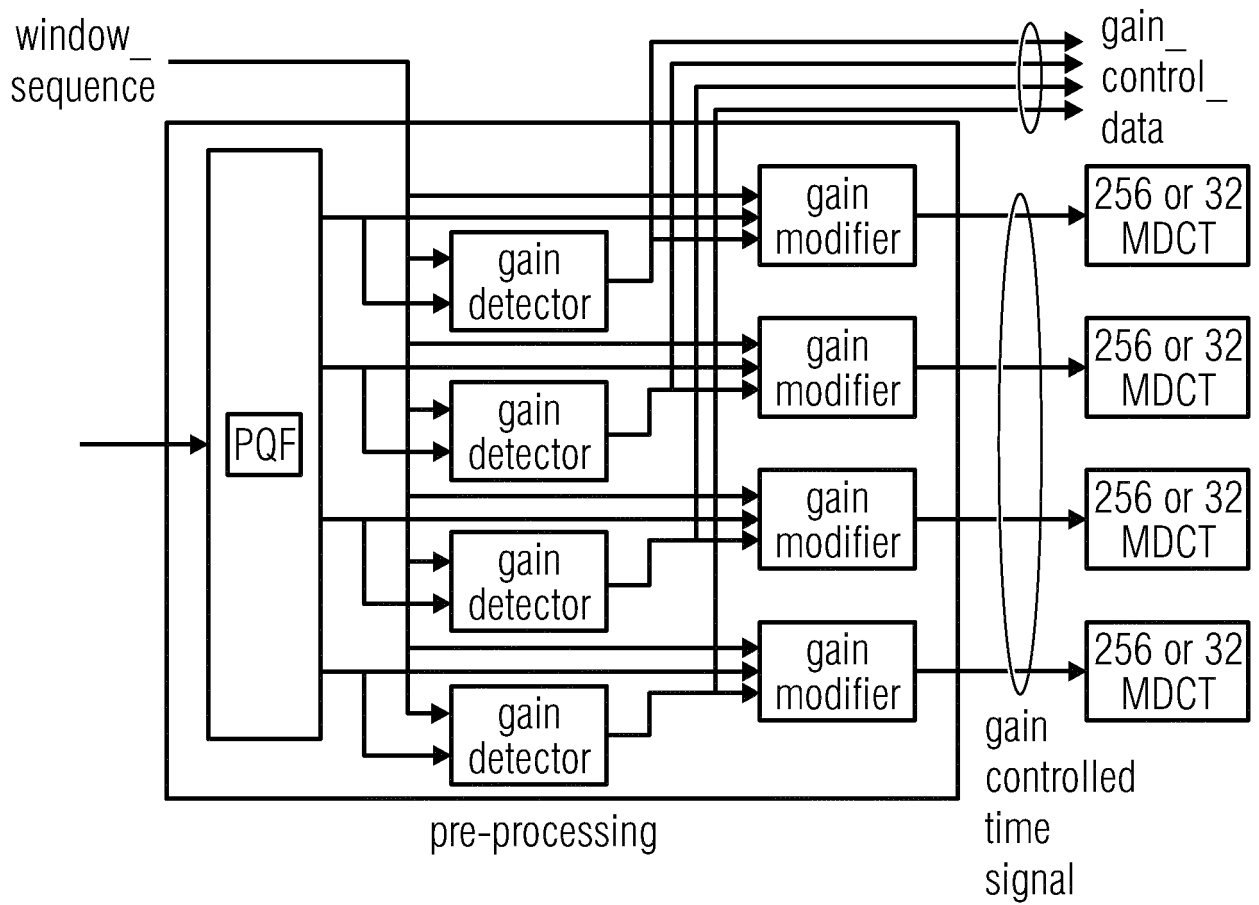


Fig. 14

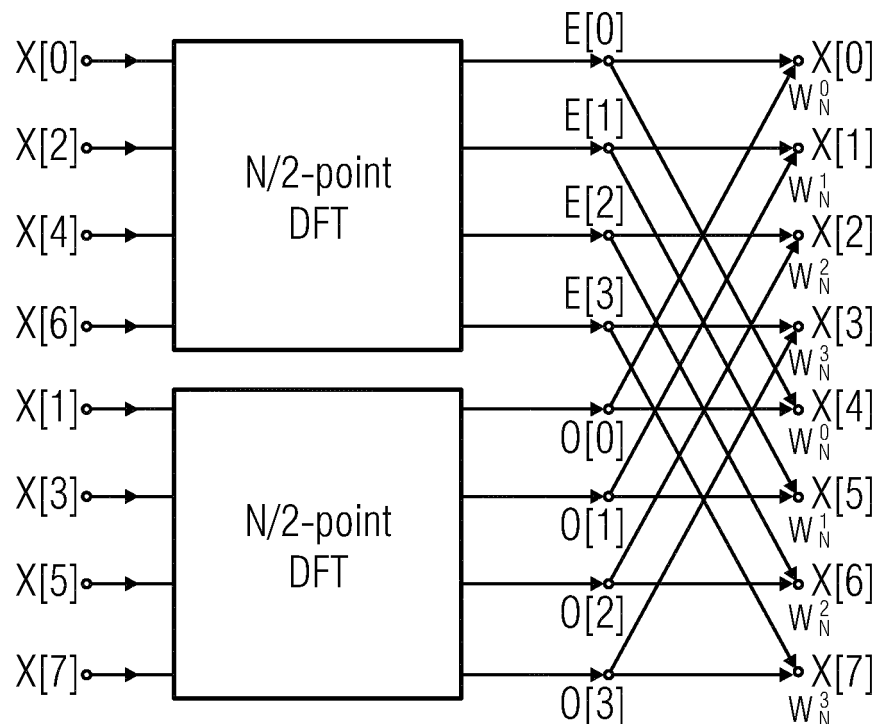


Fig. 15

Methodology	MUSHRA ITU-R BS.1534
Lab	Fraunhofer IIS
Test Conditions	"nohrep": Reference Quality Encoder (FD core using IGF) "hrep": Proposed Configuration
Bit Rate / Channels	128 kbps 5.1 channel
Number of listeners after post-screening	14
Test Signals	• 1: ARL_applause • 2: Appl3D • 3: StudioAppl • 4: applse • 5: chostakovitch • 6: fountain_music • 7: glock • 8: indie2 • 9: jackson1 • 10: pops • 11: poulenc • 12: rock_concert • 13: stomp

Fig. 16a

Fig. 16	Fig. 16a
	Fig. 16b

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Bit Rate / Channels	48 kbps stereo
Number of listeners after post-screening	15
Test Signals	• 1: ARLapplause • 2: Exercise • 3: HeavyApplause • 4: Intro • 5: Klatschen • 6: MediumApplause • 7: SallyBrown • 8: applse
Bit Rate / Channels	128 kbps stereo
Number of listeners after post-screening	14
Test Signals	• 1: ARLapplause • 2: Exercise • 3: HeavyApplause • 4: Intro • 5: Klatschen • 6: MediumApplause • 7: SallyBrown • 8: applse

Fig. 16b

Fig. 16

Fig. 16a
Fig. 16b

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Average and 95% Confidence Intervals

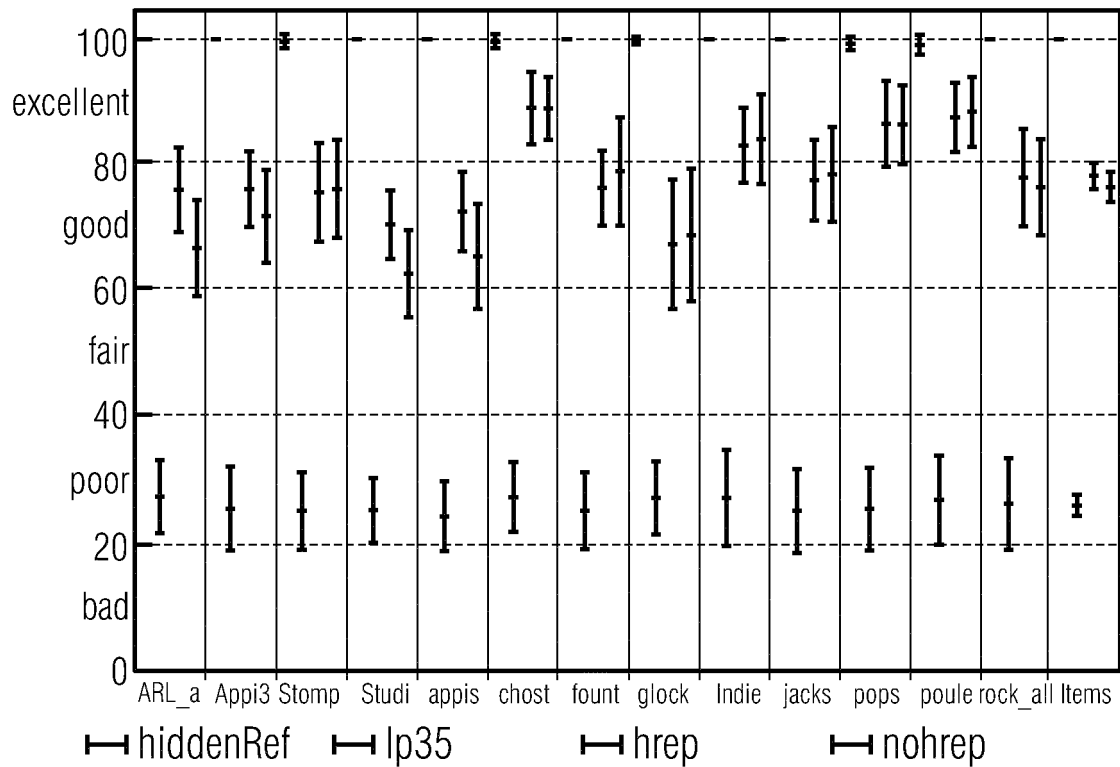


Fig. 17a

Average and 95% Confidence Intervals (Differences: hrep-nohrep)

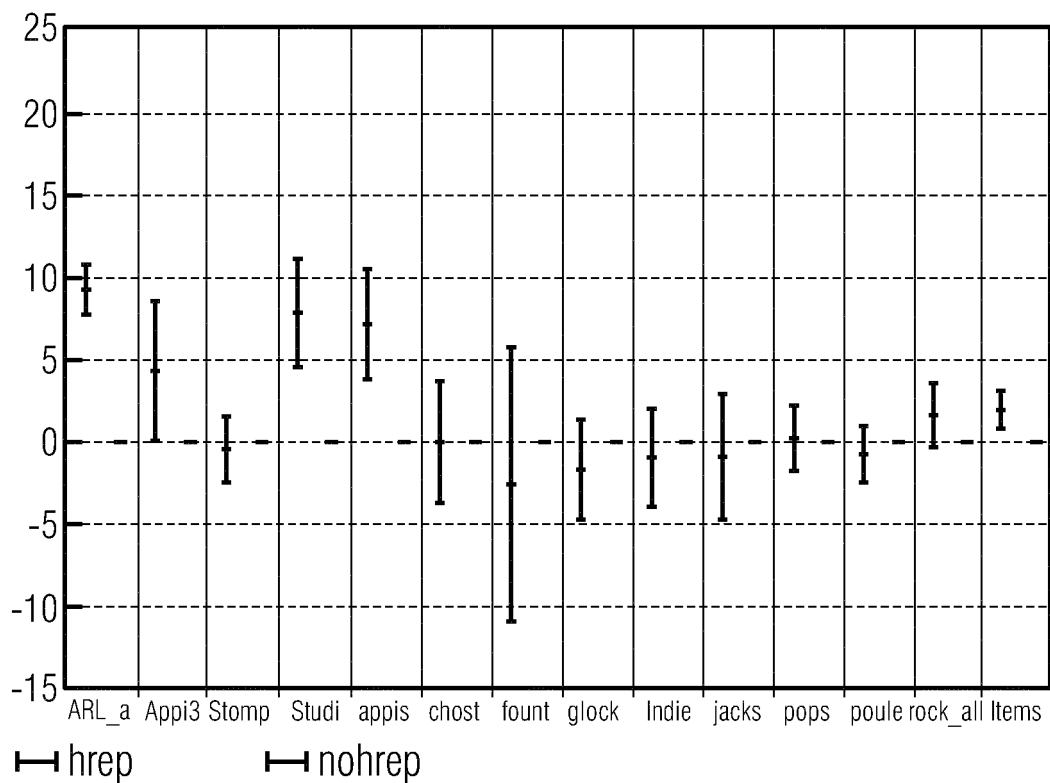


Fig. 17b

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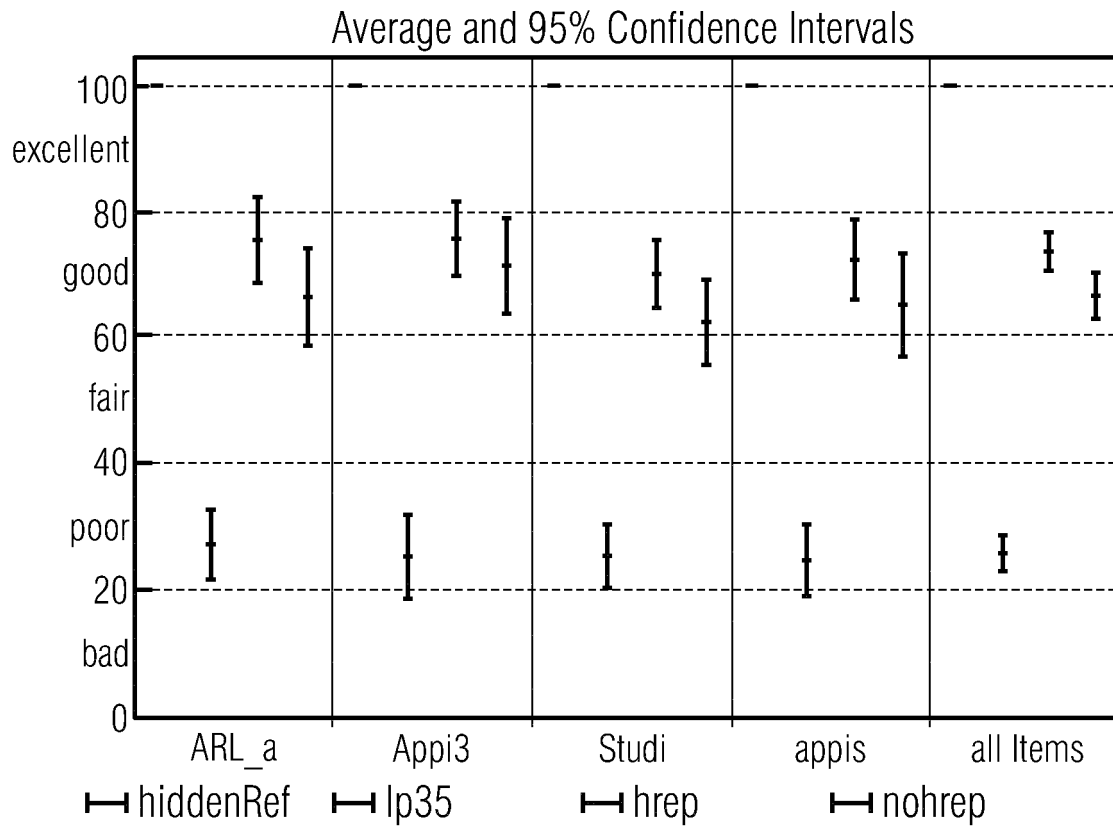


Fig. 17c

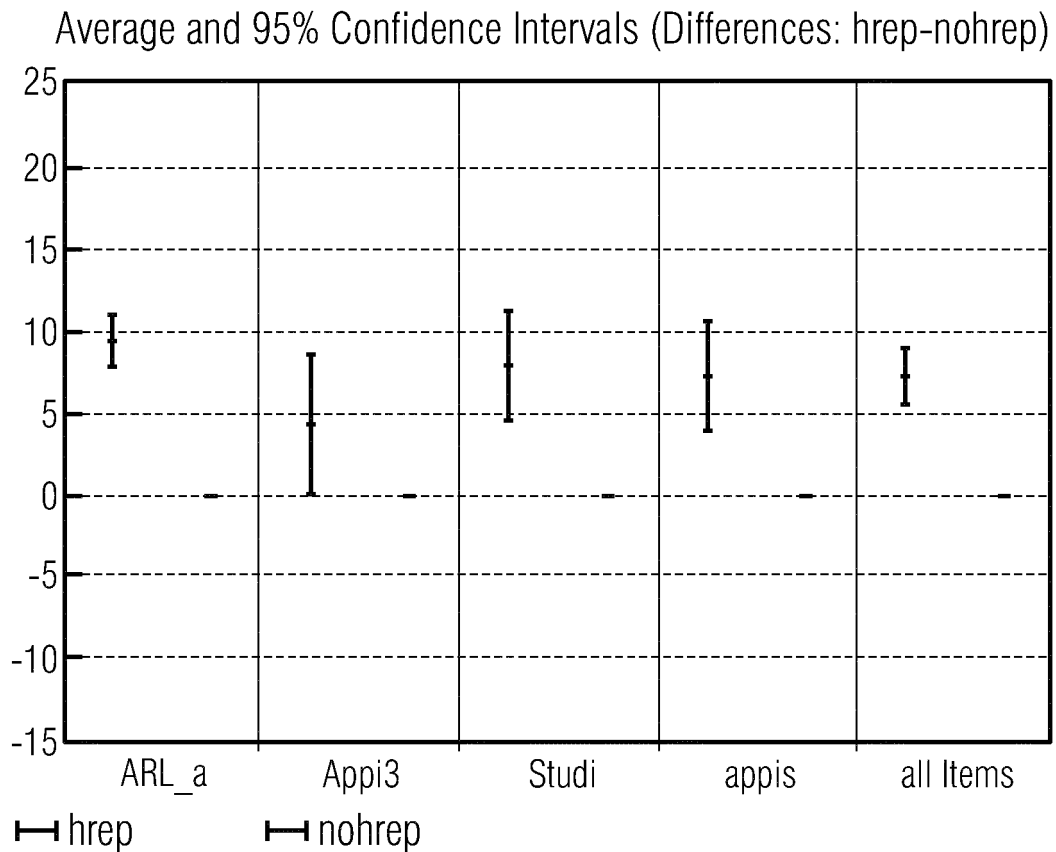


Fig. 17d

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Average and 95% Confidence Intervals

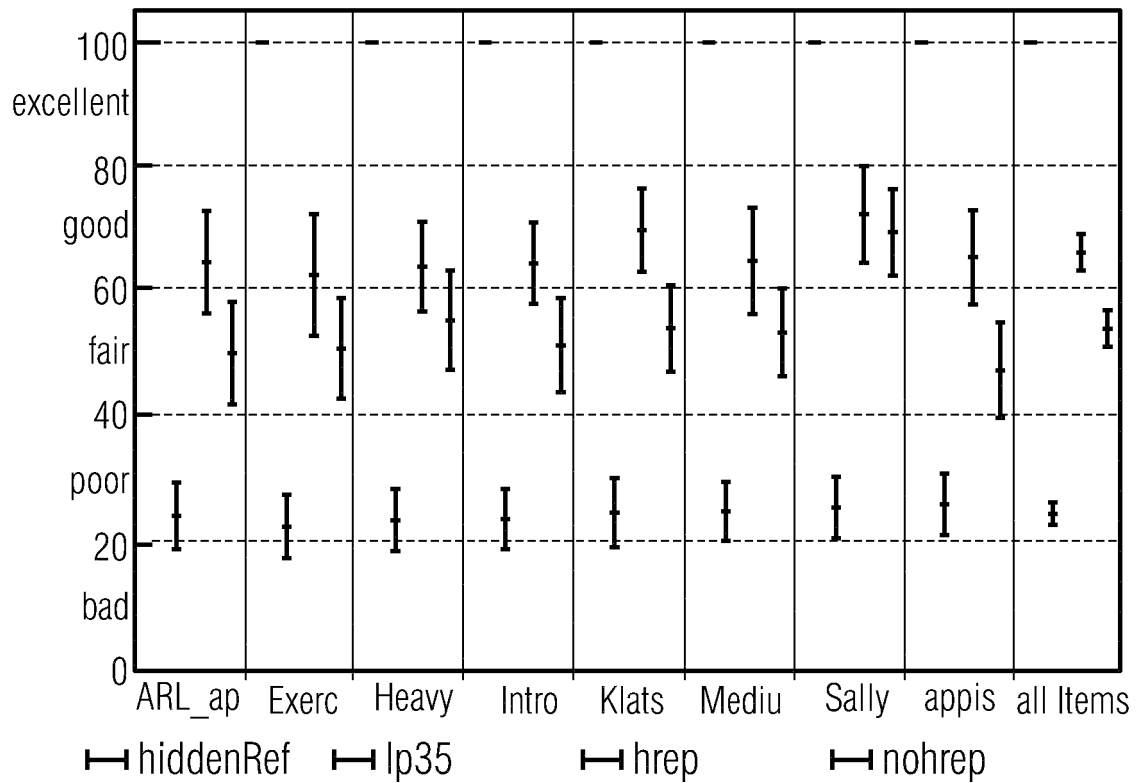


Fig. 17e

Average and 95% Confidence Intervals (Differences: hrep-nohrep)

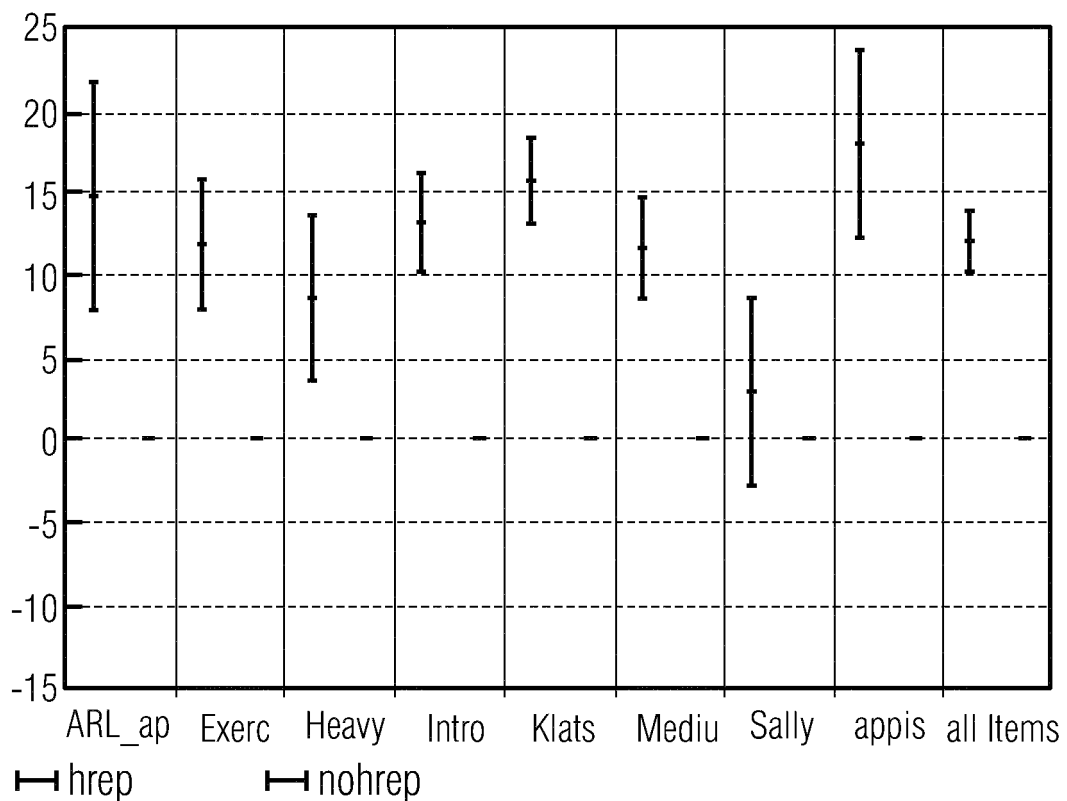


Fig. 17f

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Average and 95% Confidence Intervals

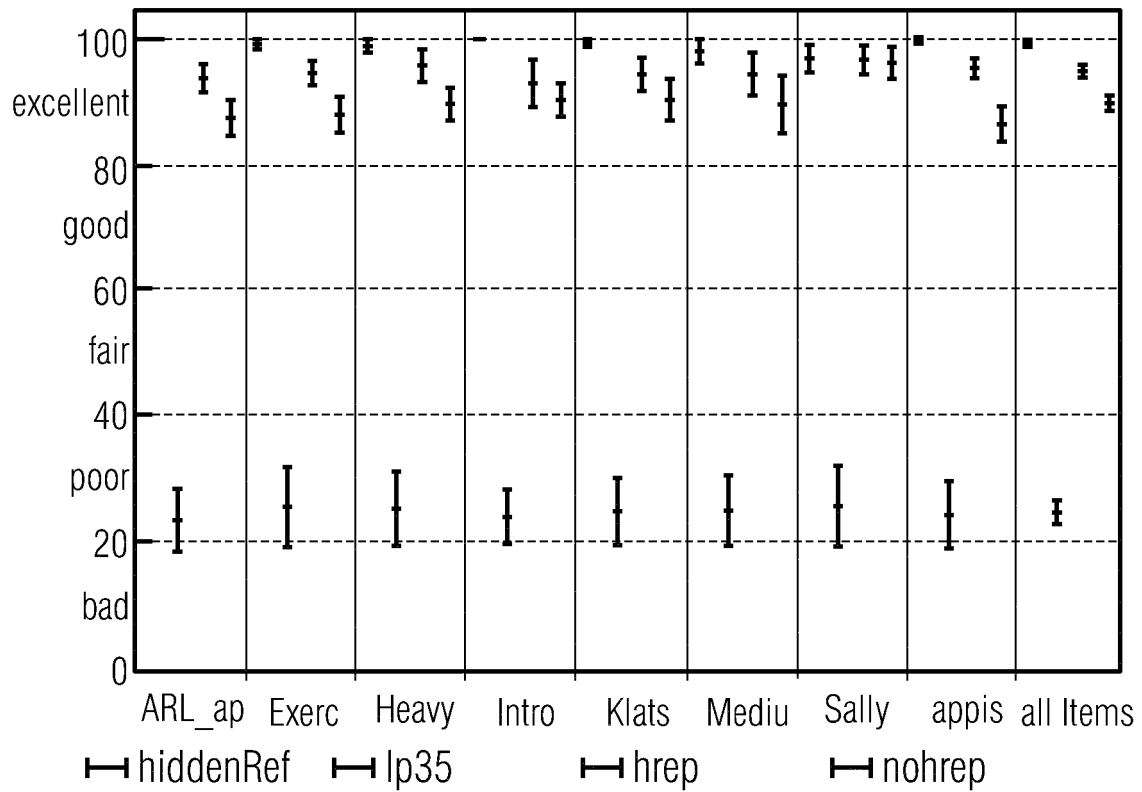


Fig. 17g

Average and 95% Confidence Intervals (Differences: hrep-nohrep)

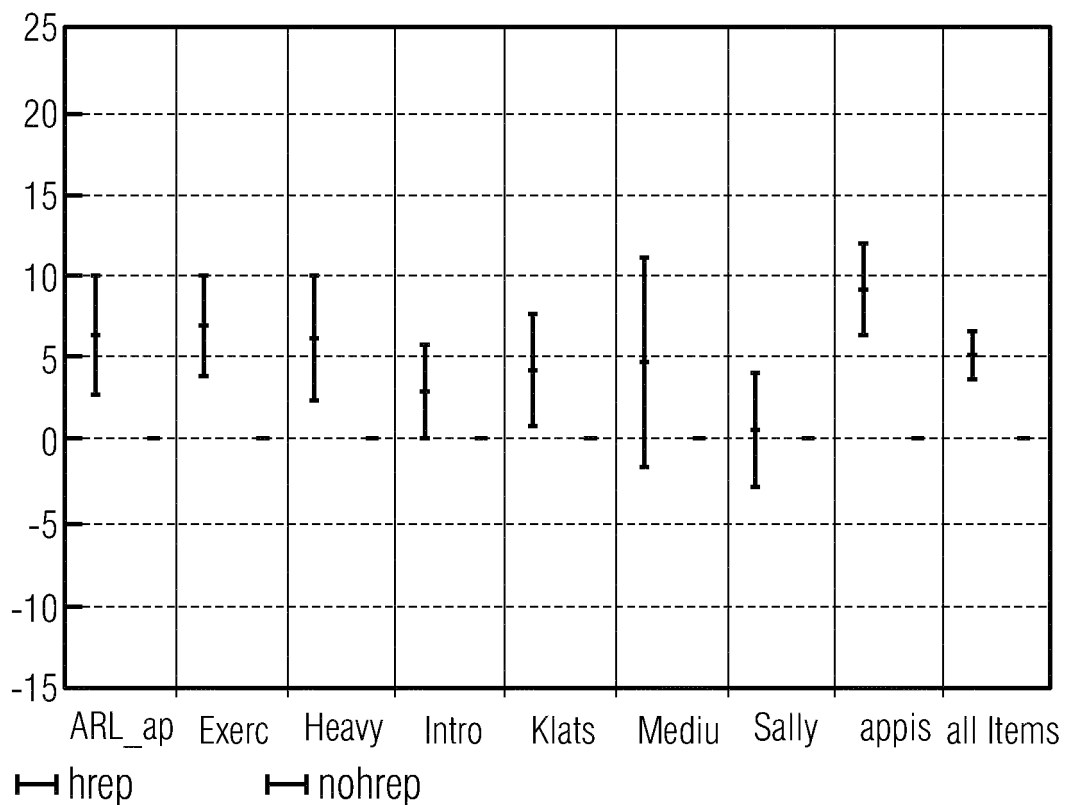


Fig. 17h