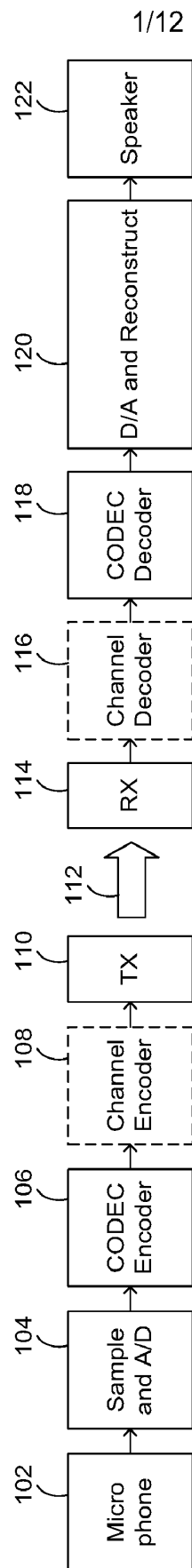


100

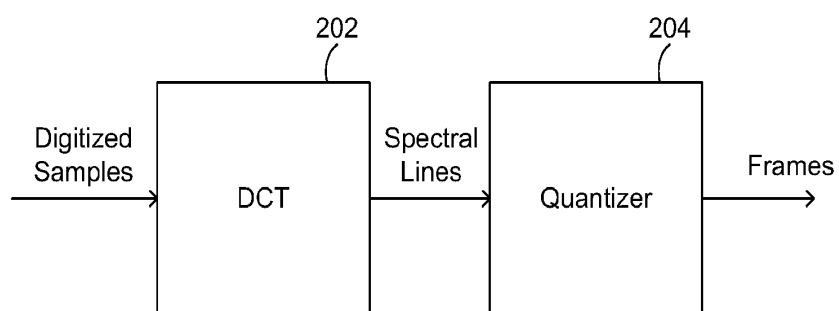


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FIG. 1

+

2/12

106**FIG. 2**

+

+

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204

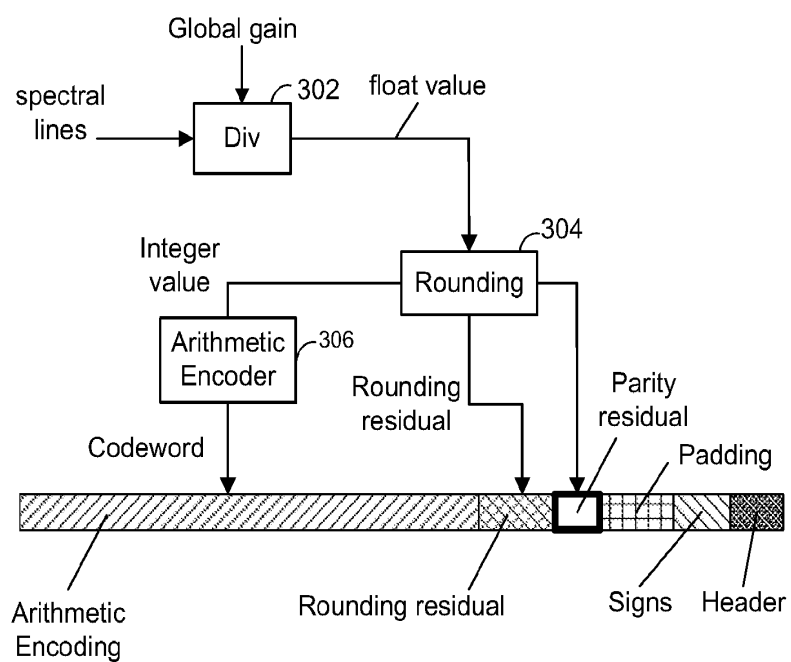


FIG. 3

+

400

Spectral Lines/Gain	Float	Integer	Quantization Error	Rounding Residual
105/10	10.5	11	0.5	-1
201/10	20.1	20	0.1	+1
174/10	17.4	17	0.4	+1
139/10	13.9	14	0.1	-1

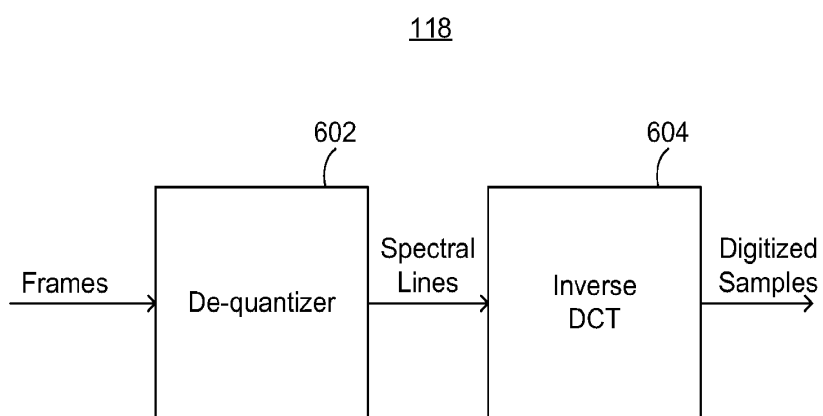
FIG. 4

500

Integer	Quantization Error	Rounding Residual	Est. Range (Normal)	Parity Residual	Est. Range (New)
17	.4	+1	[17, 17.5)	0	
18	.6	-1	[17.5, 18)	1	[17, 17.5)



FIG. 5

**FIG. 6**

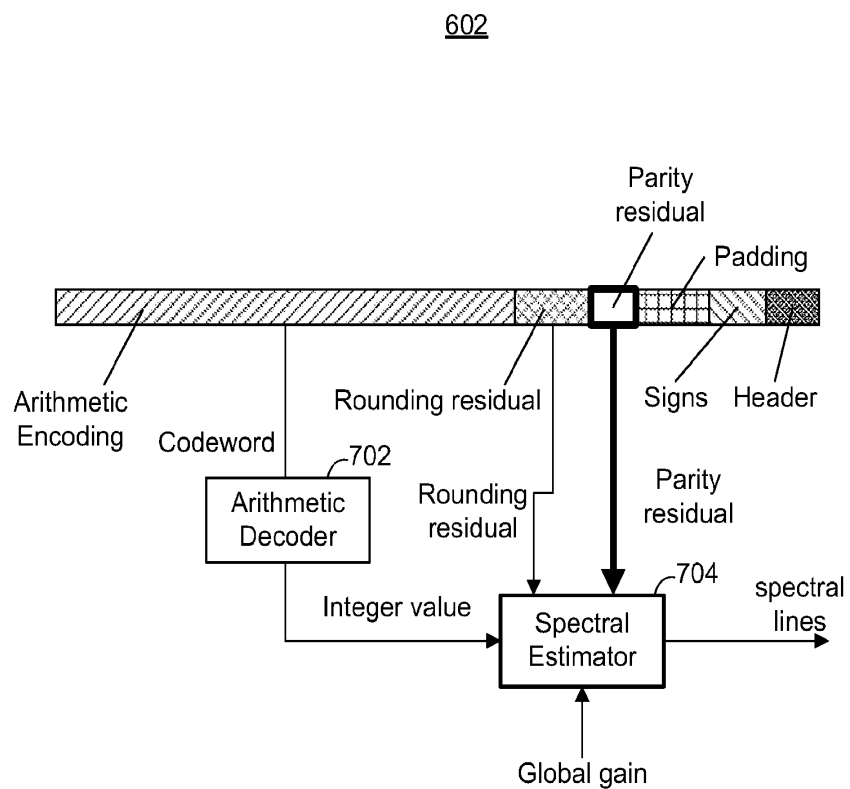


FIG. 7

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800

Code Word	Quantized Value
0x42	8
0.67	4
0xC3	11
0xD3	14

FIG. 8A

+

+

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810

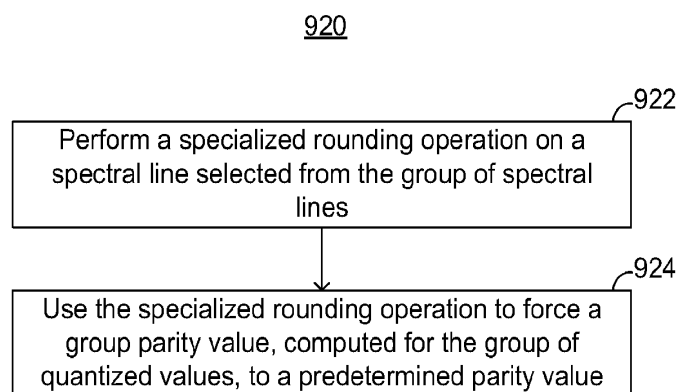
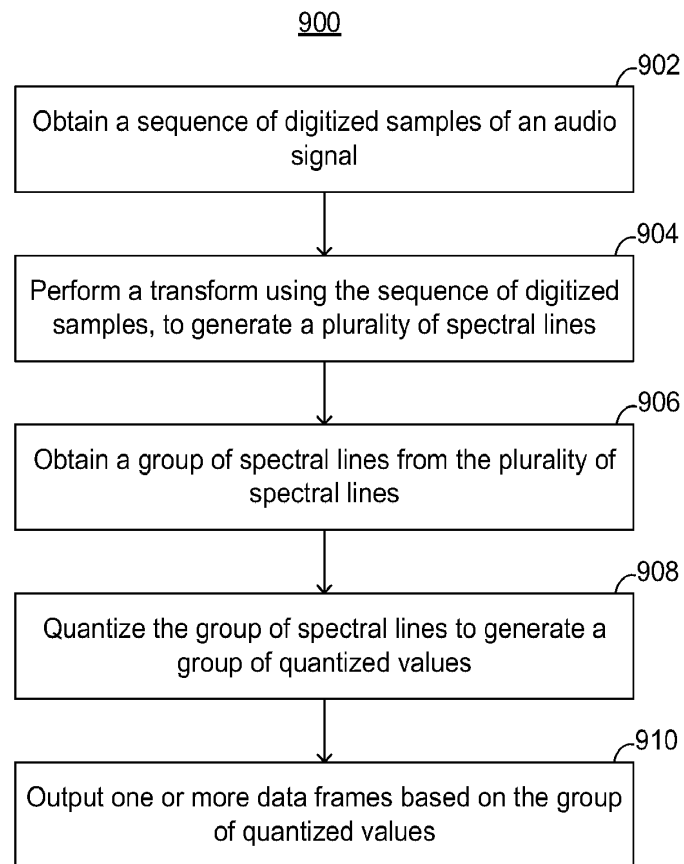
Spectral Value	Gain	Value	Quantized Value	New Quantized Value to Enforce Parity	Code Word	Binary
105	10	10.5	10	11	0xC3	11000011
117	10	11.7	11	11	0xC3	11000011
80	10	8	8	8	0x42	01000010
42	10	4.2	4	4	0x67	01100111
		Total	33	34		
		Parity	Odd	Even		

FIG. 8B

+

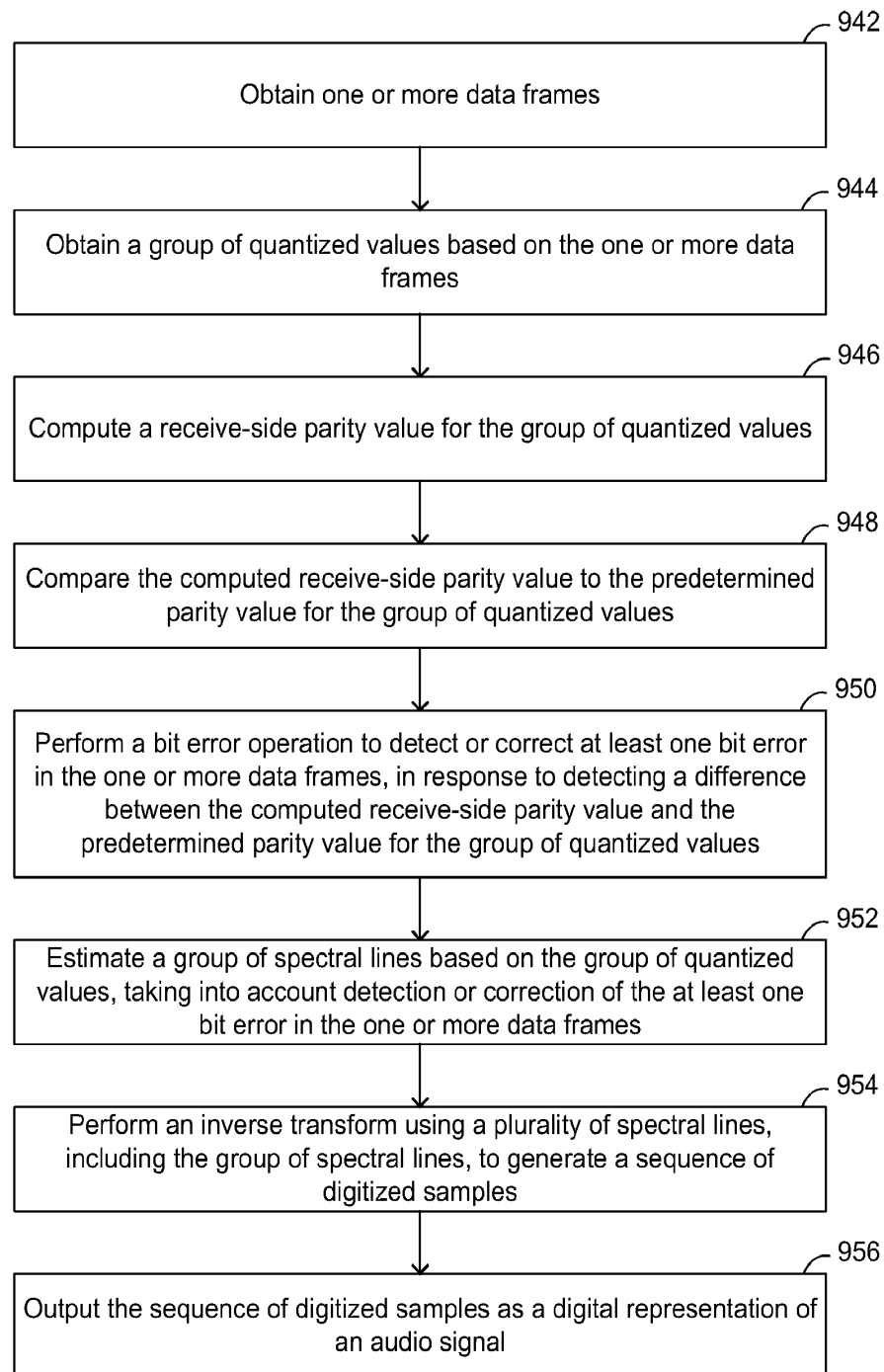
+

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**FIG. 9A**

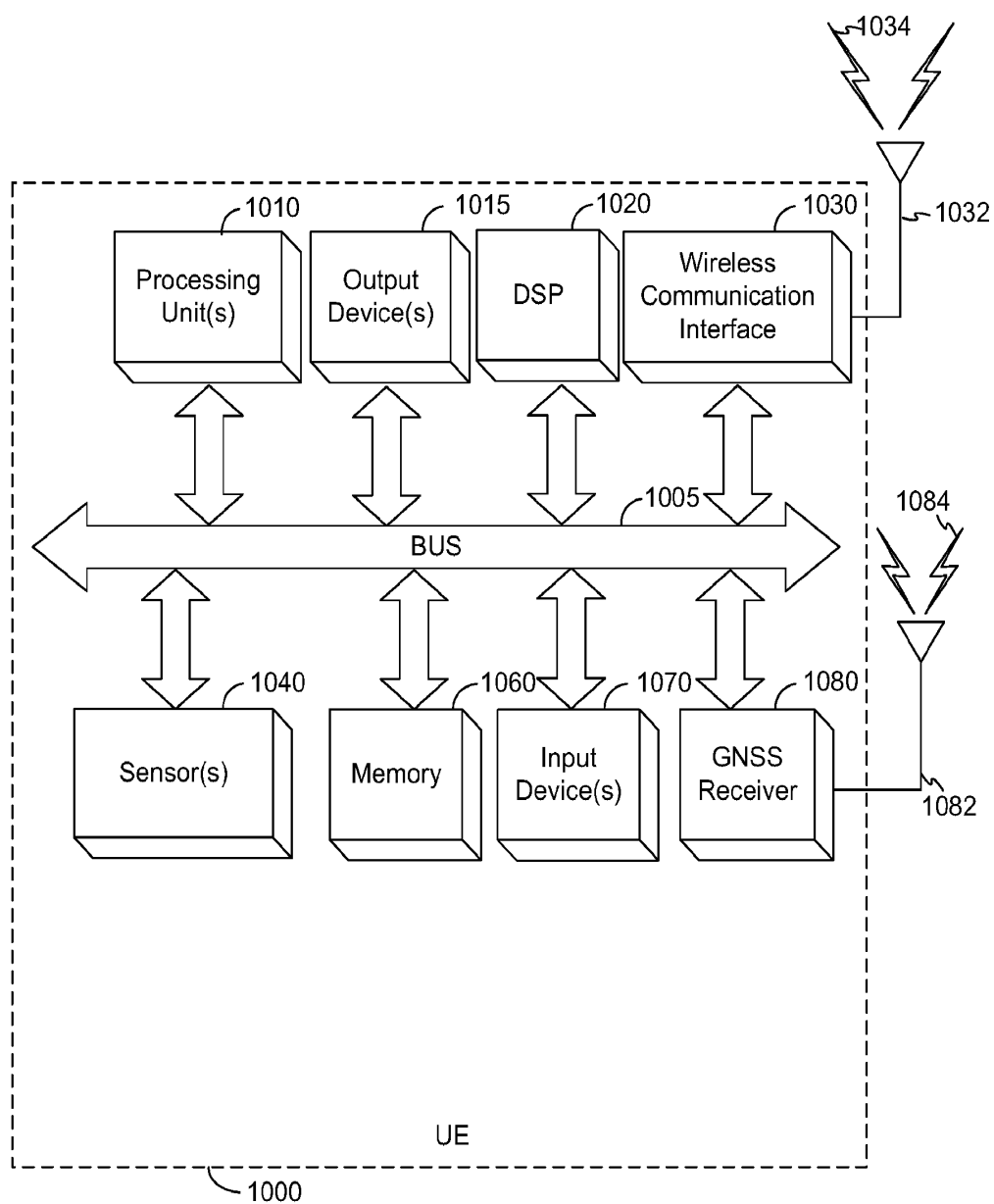
+

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940**FIG. 9B**

+

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**FIG. 10**

+