

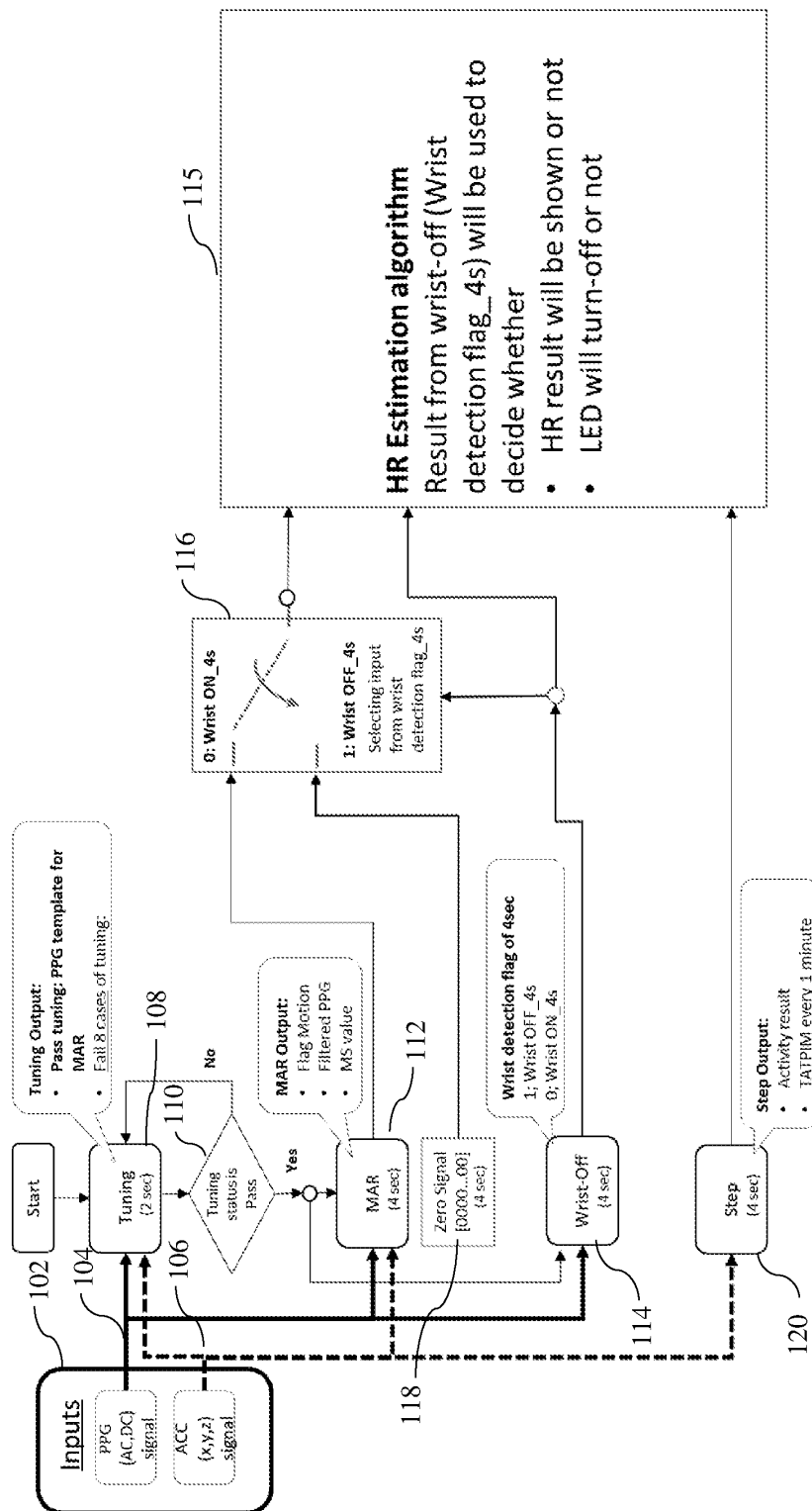


Figure 1

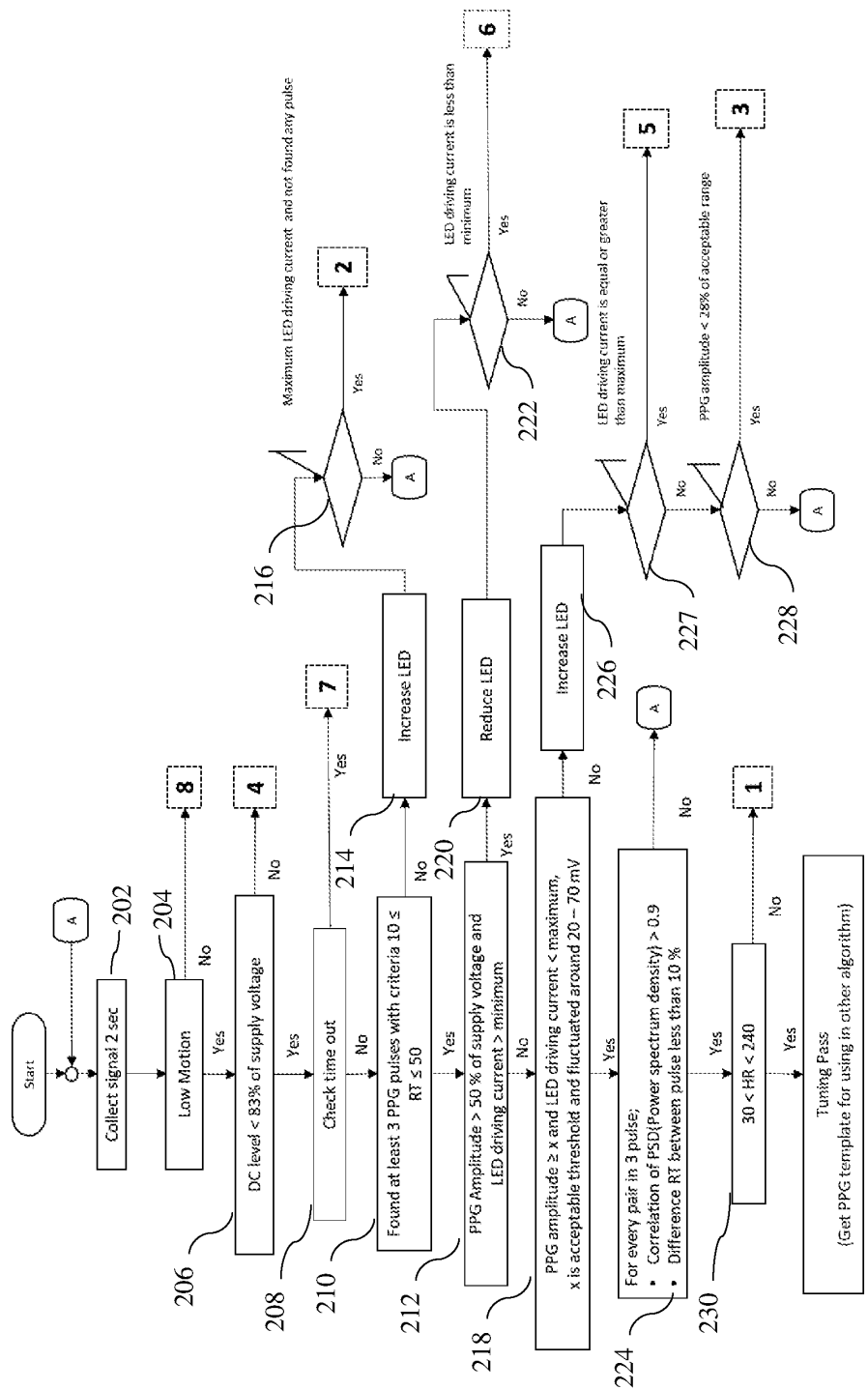


Figure 2

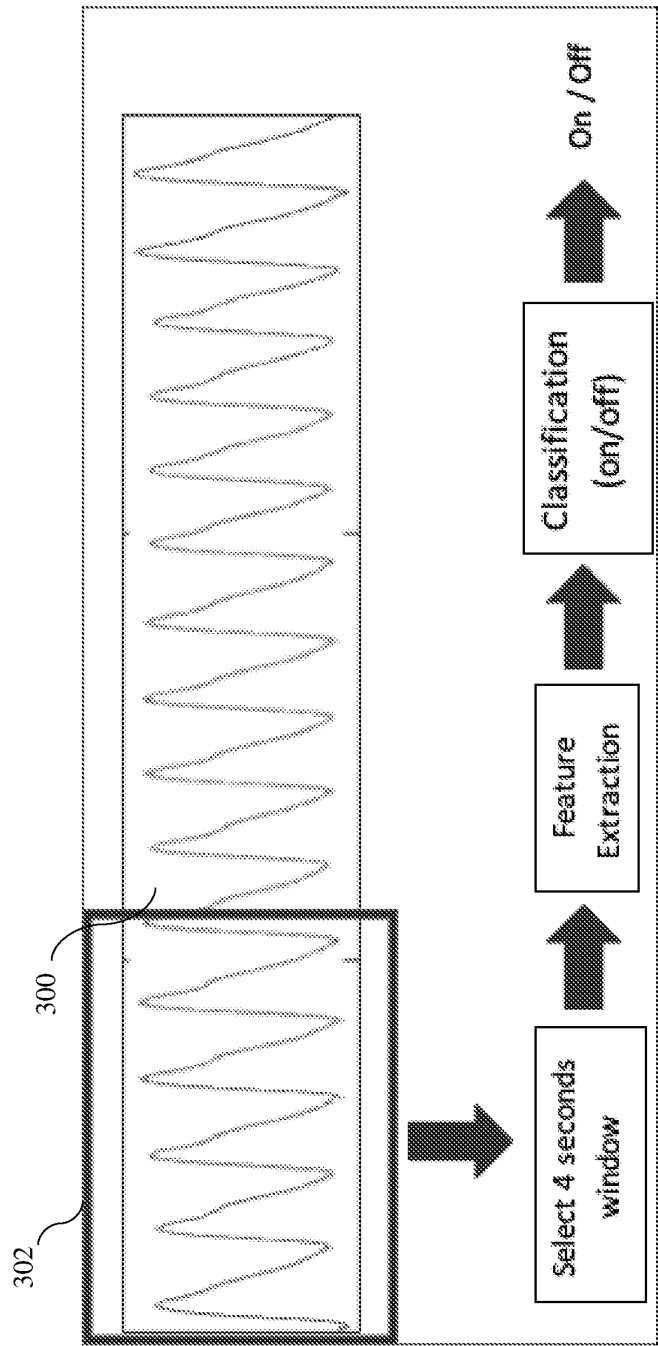


Figure 3

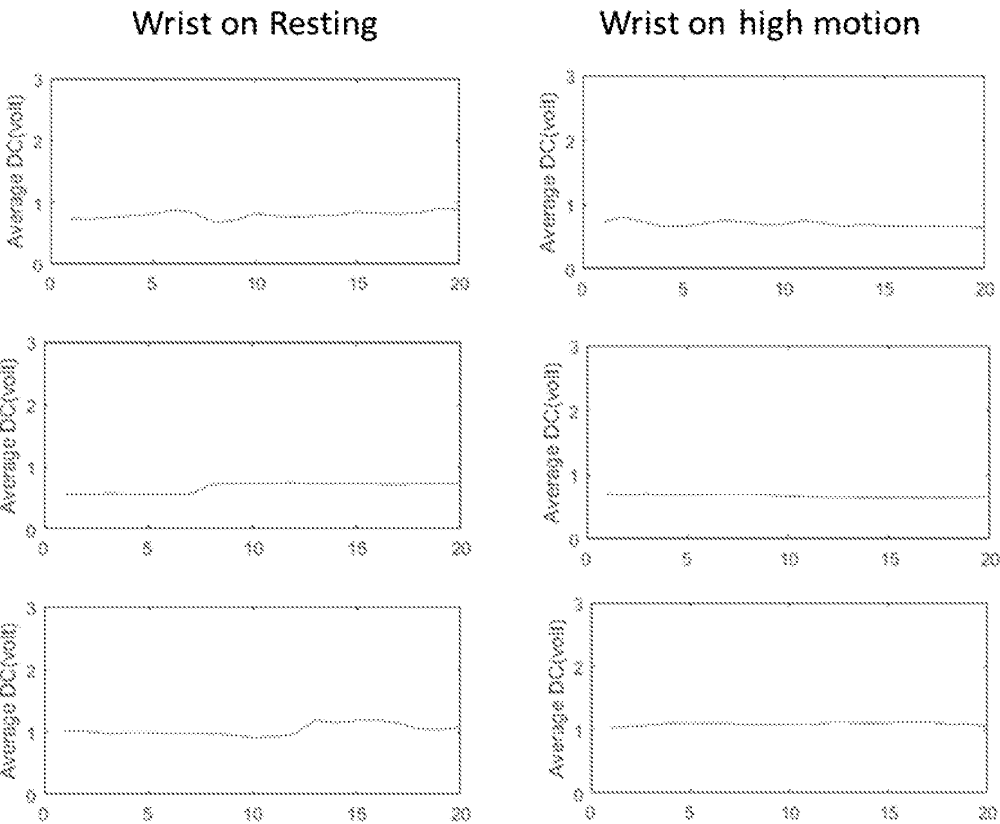


Figure 4

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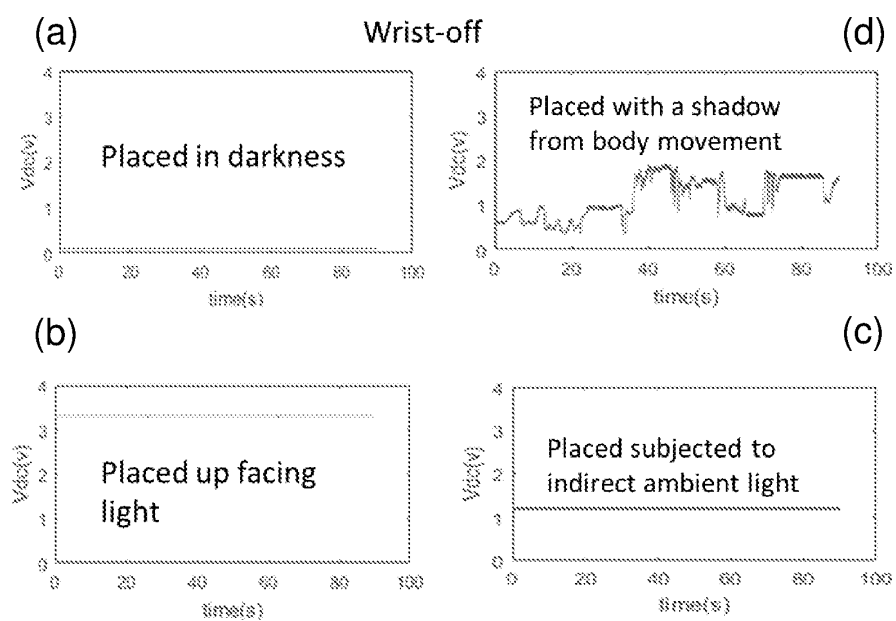


Figure 5

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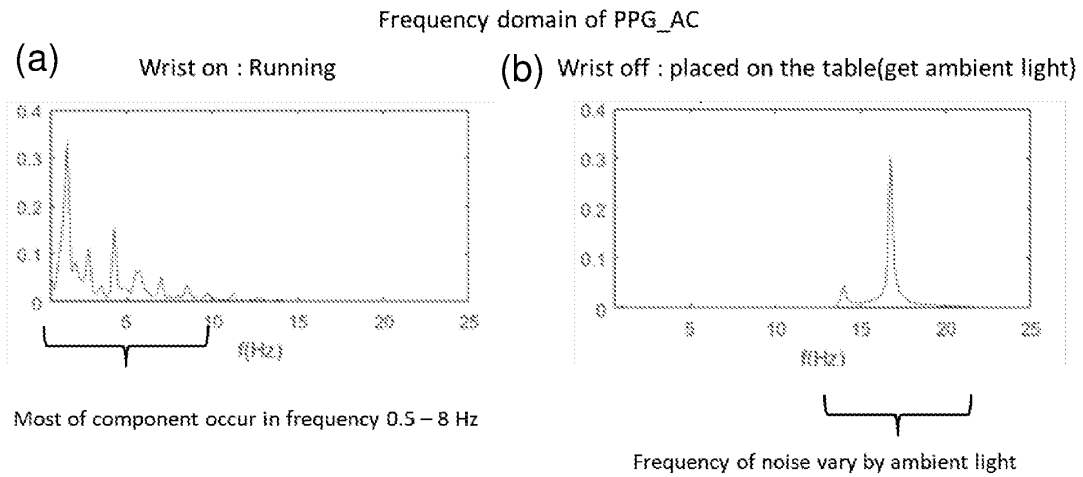


Figure 6

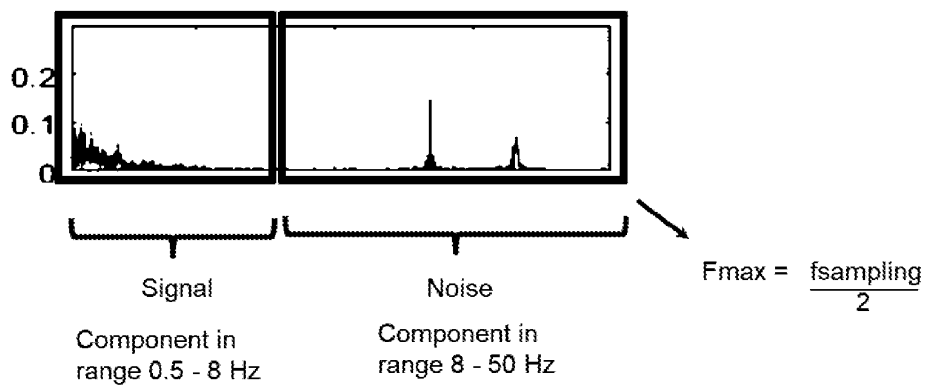


Figure 7

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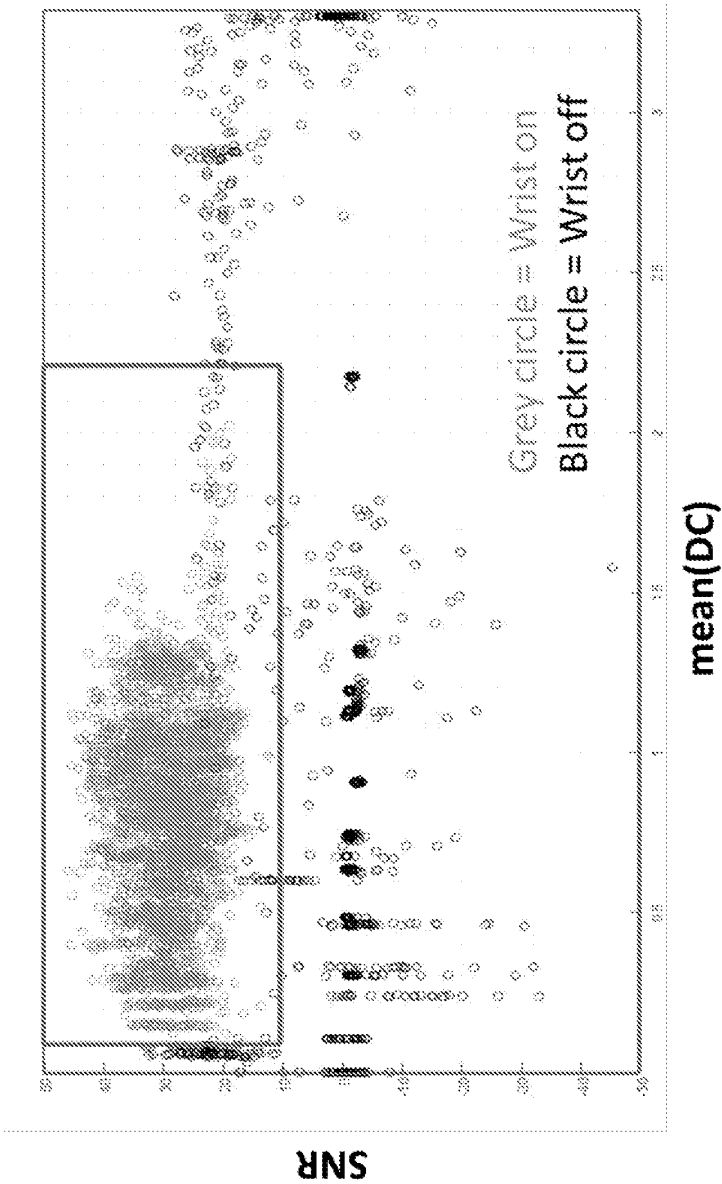


Figure 8

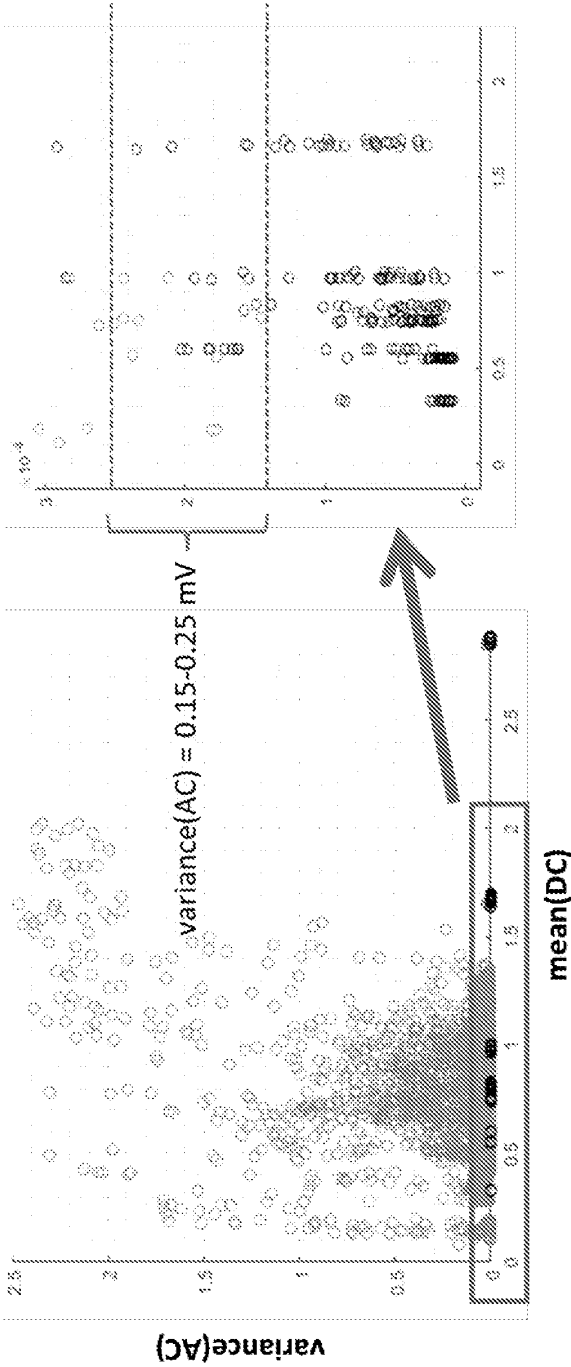


Figure 9

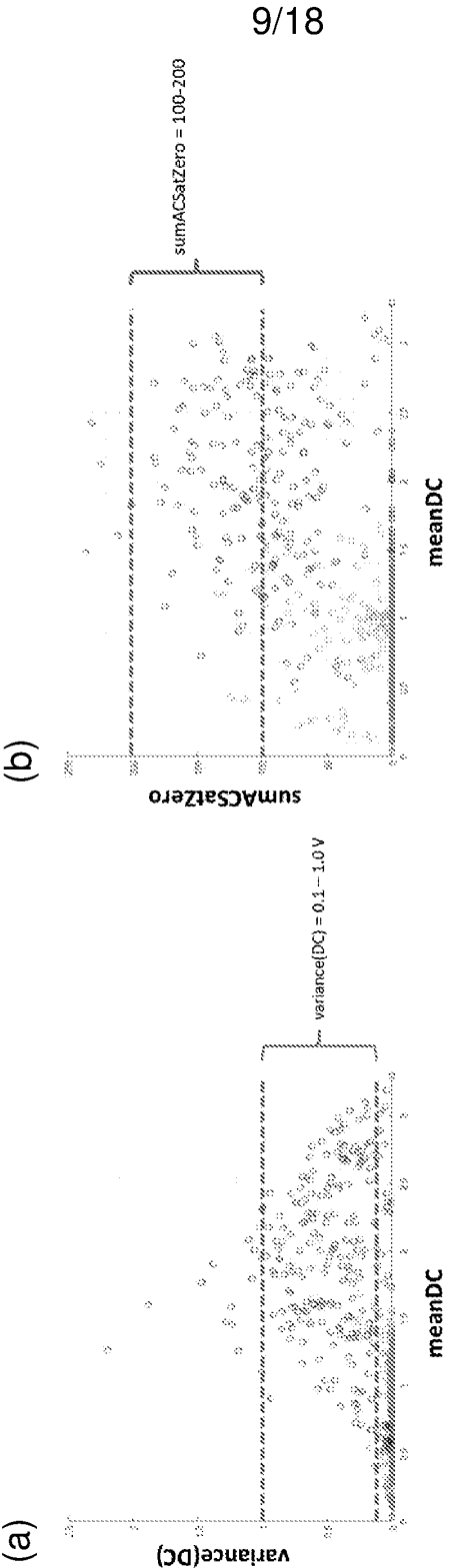


Figure 10

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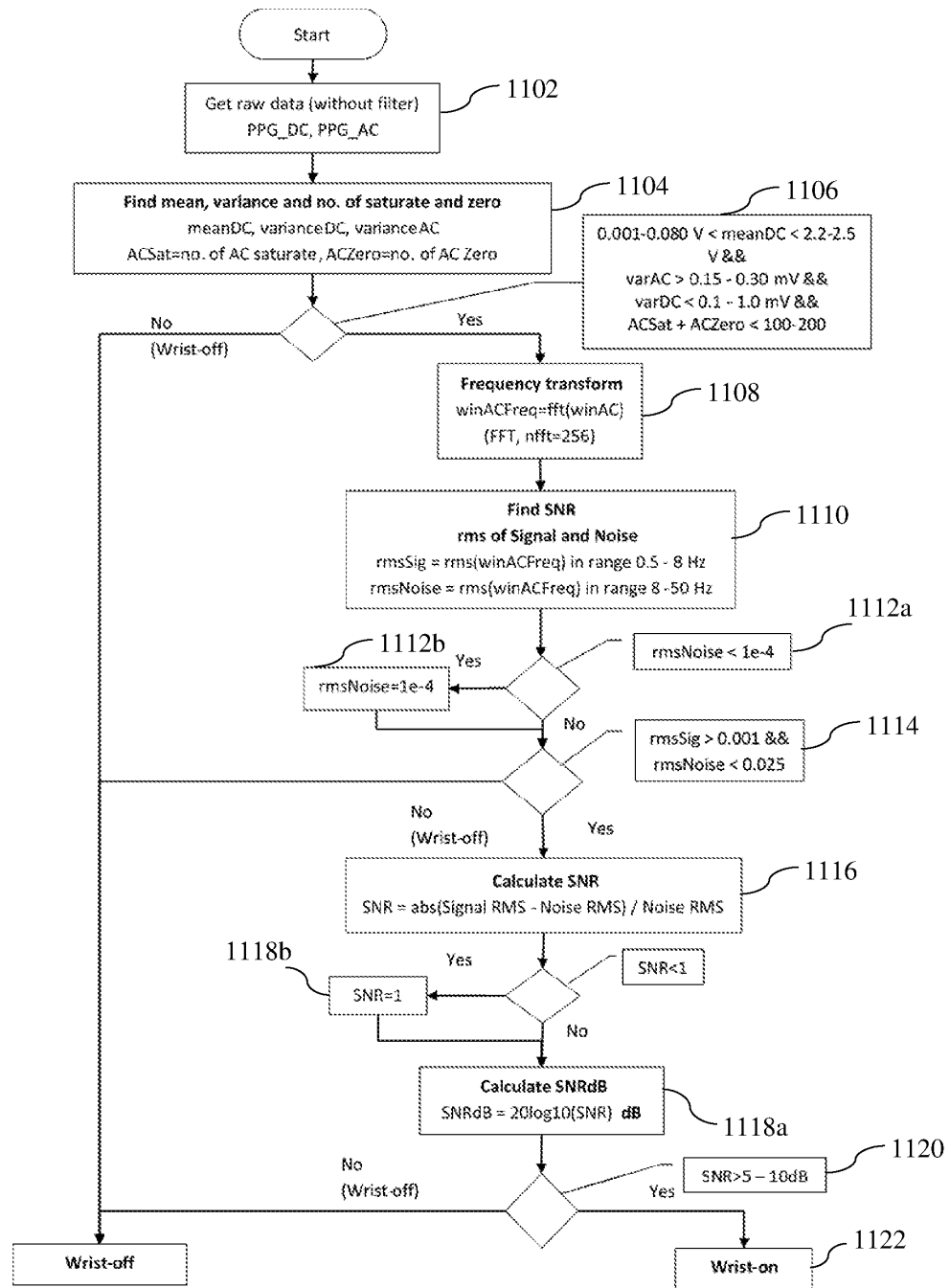


Figure 11

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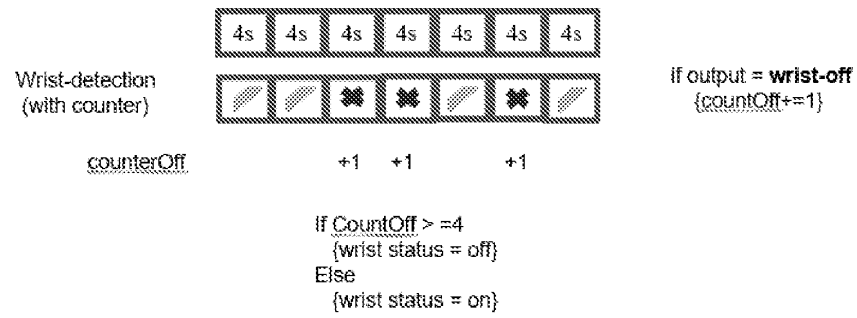


Figure 12 (a)

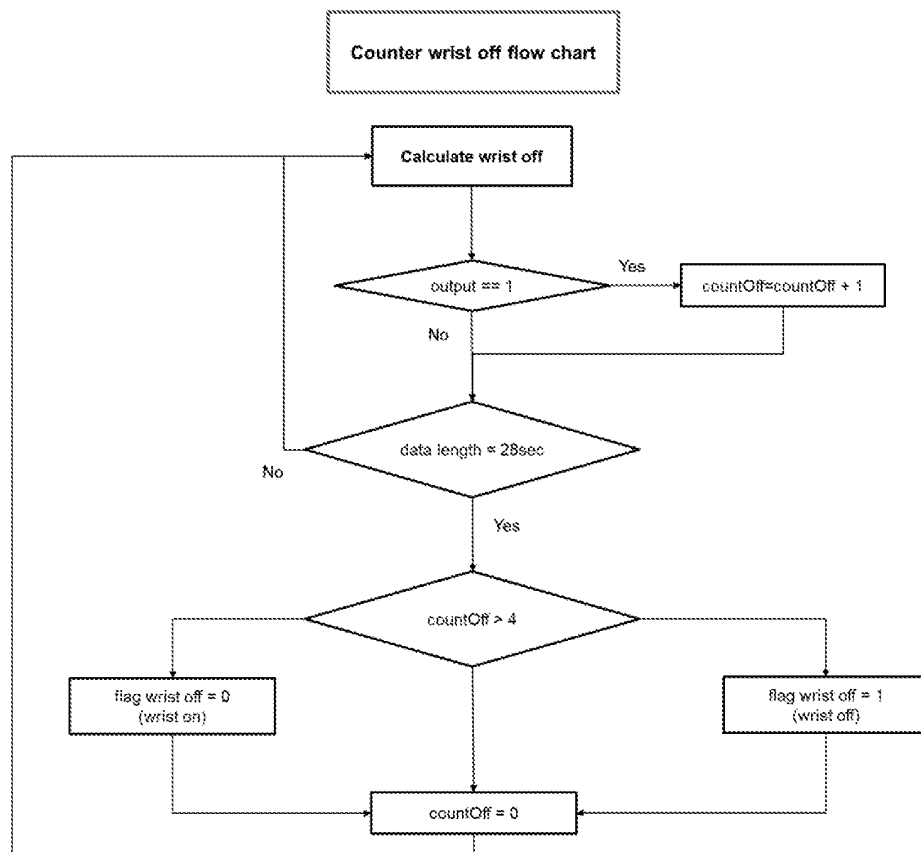


Figure 12 (b)

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1 = wrist on
0 = wrist off

Actual

Output		
	1	0
1	16397	66
0	60	2745

Wrist-on : 99.60 %
Wrist-off : 97.86 %
All : 99.35 %

Figure 13

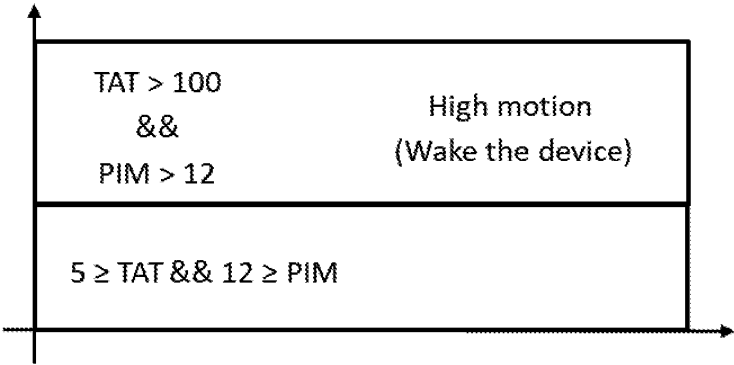


Figure 14 (a)

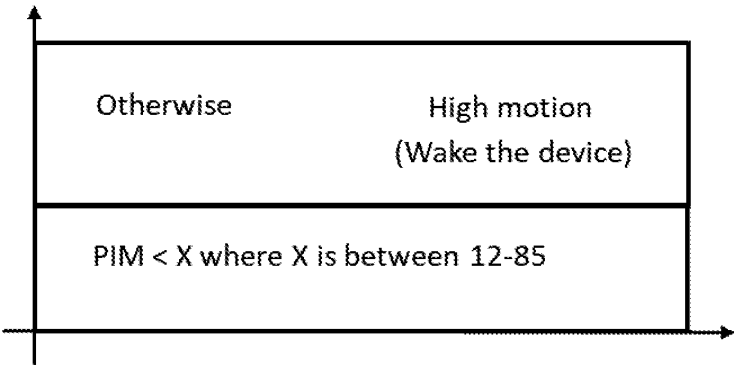


Figure 14 (b)

Tuning and Wrist Off Detection Method

Algorithm process

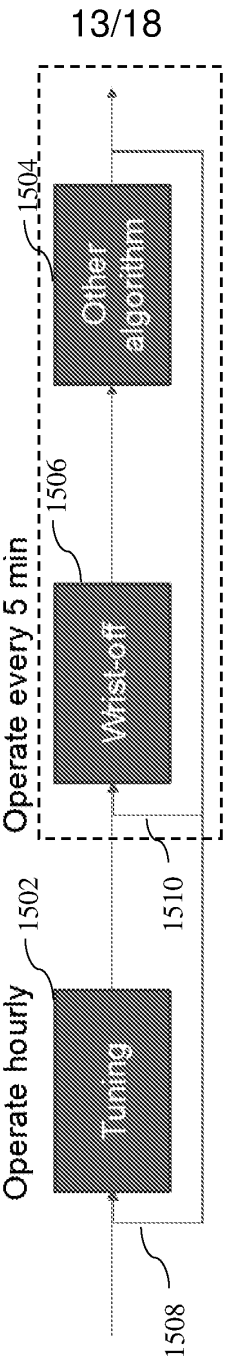


Figure 15

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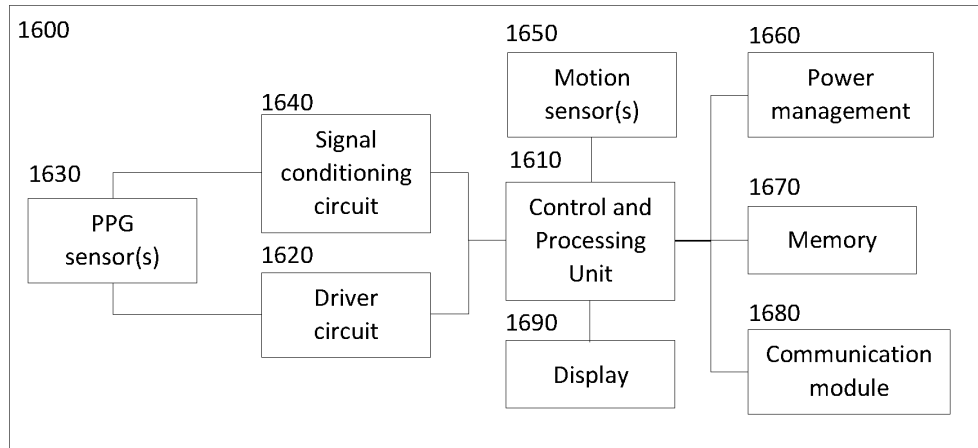


Figure 16

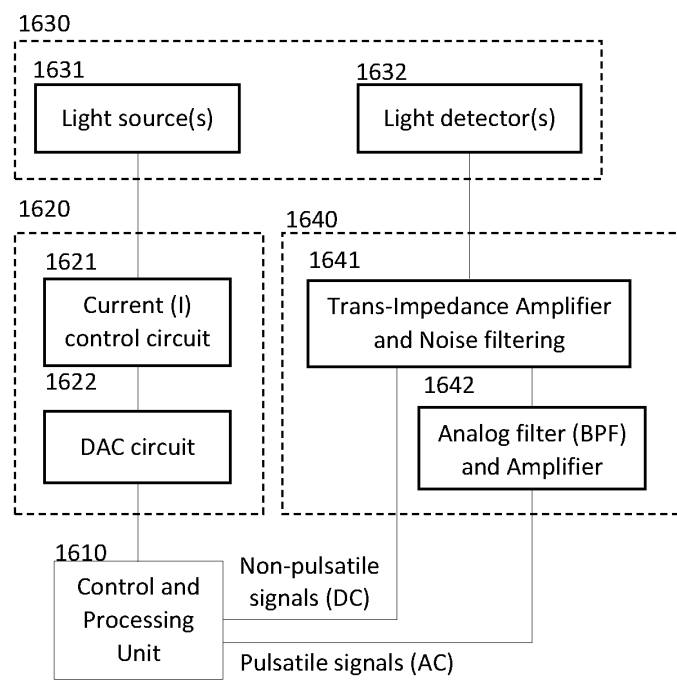


Figure 17

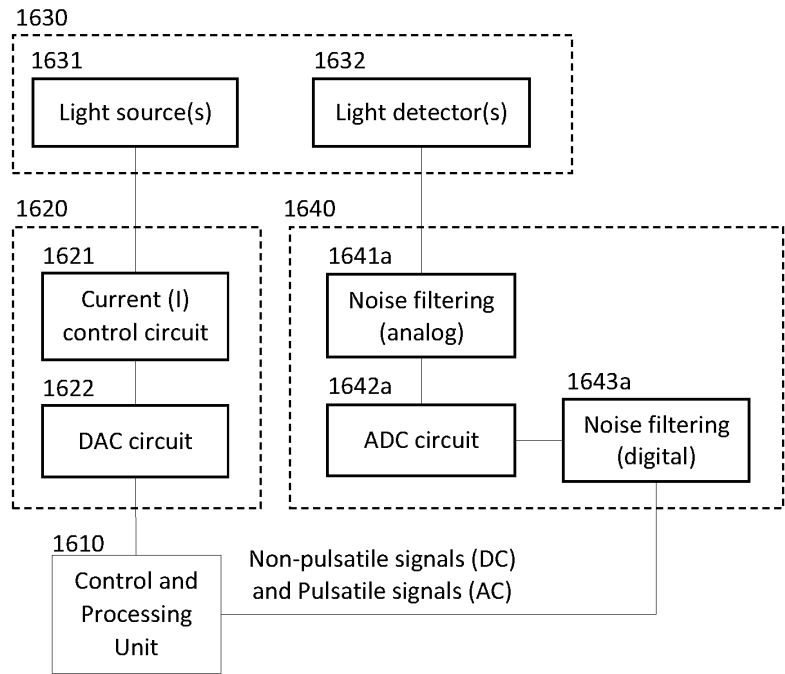


Figure 18

Signal	Variance	No. of Sat and Zero
1. Wrist-on >> Normal AC	0.125	0
2. Wrist-on >> Very large AC	0.98	0
3. Wrist-off >> Holding in hand	1.48	152

Figure 19

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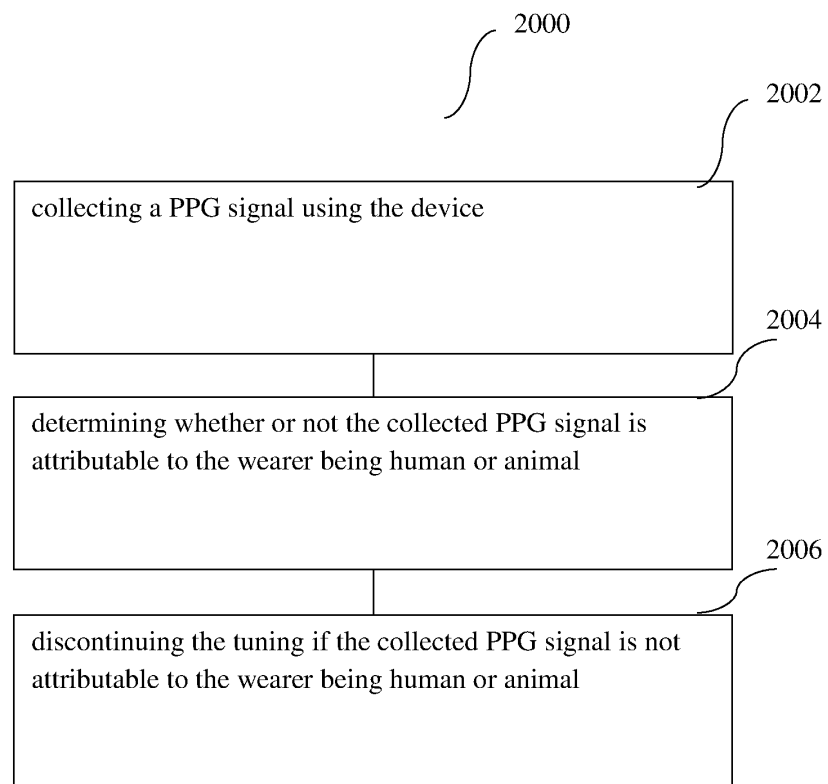


Figure 20

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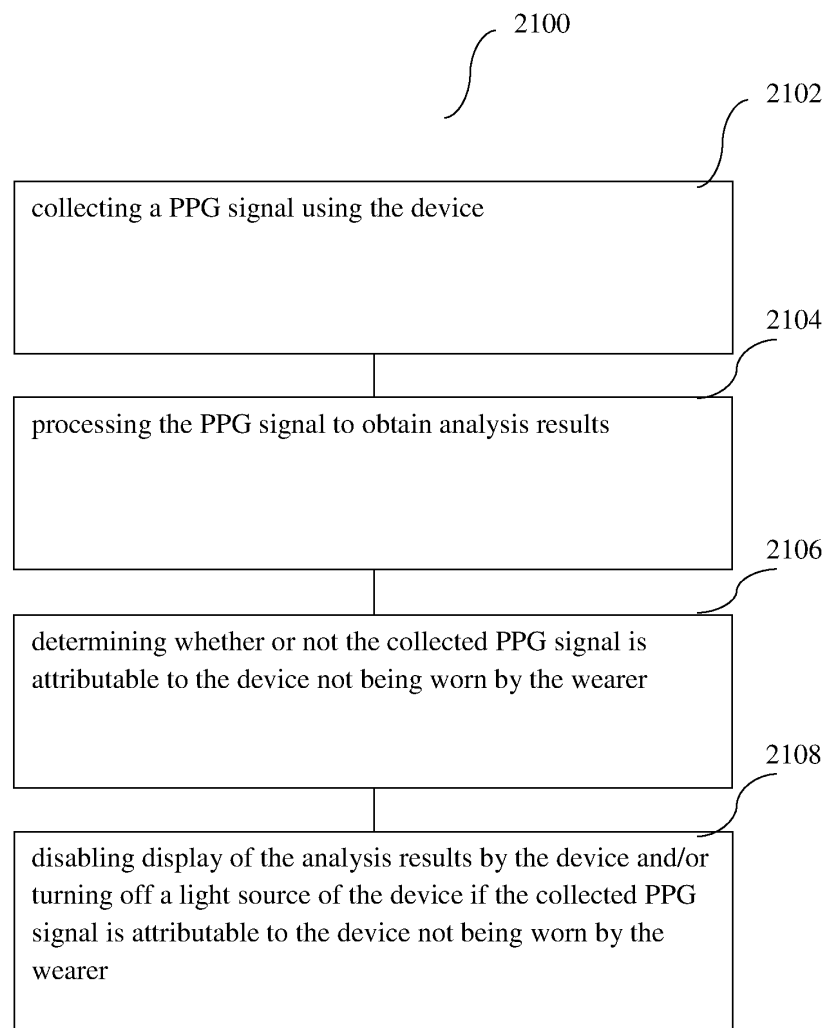
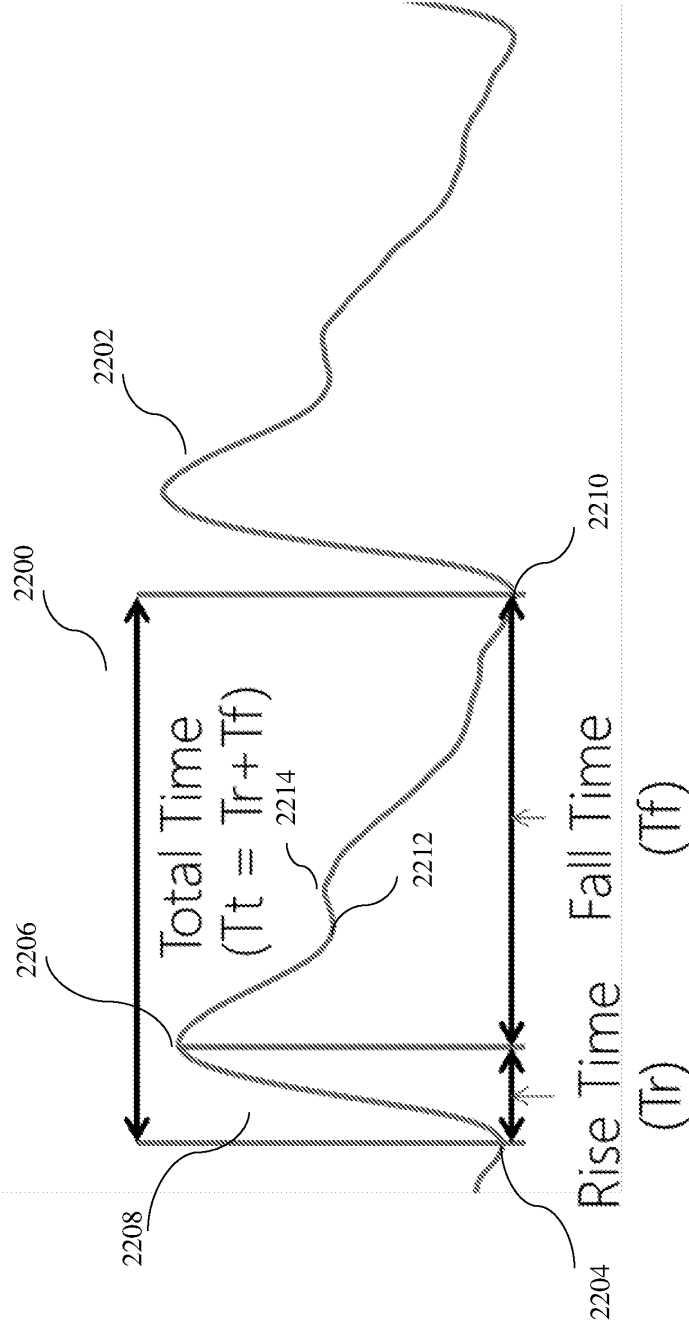


Figure 21



$$\%RT = 100 * T_r / T_t$$

Figure 22