

1/9

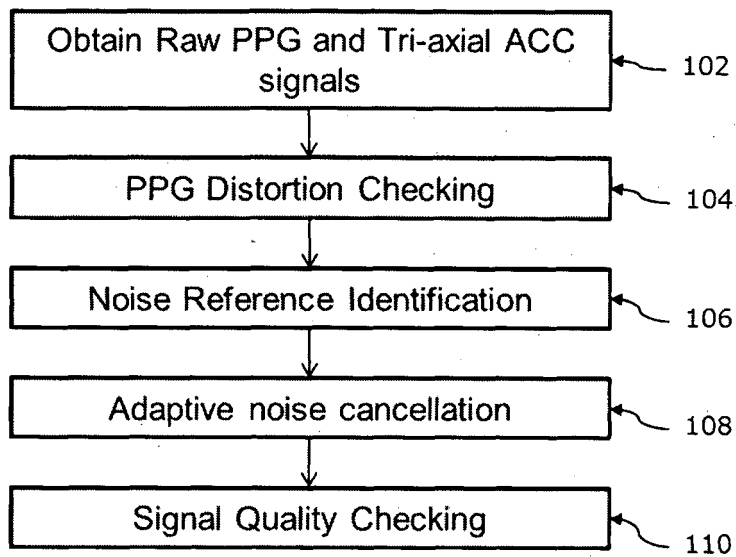


Fig. 1

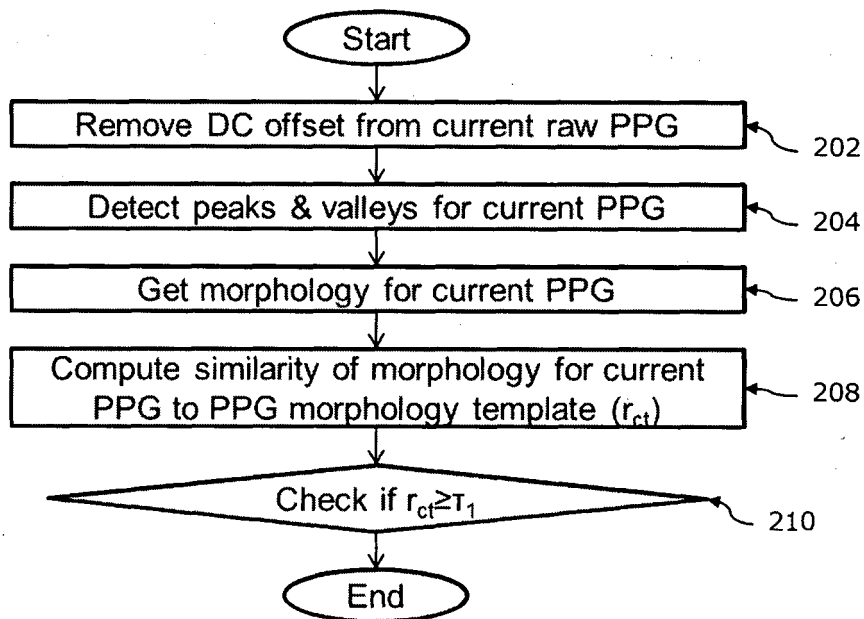


Fig. 2

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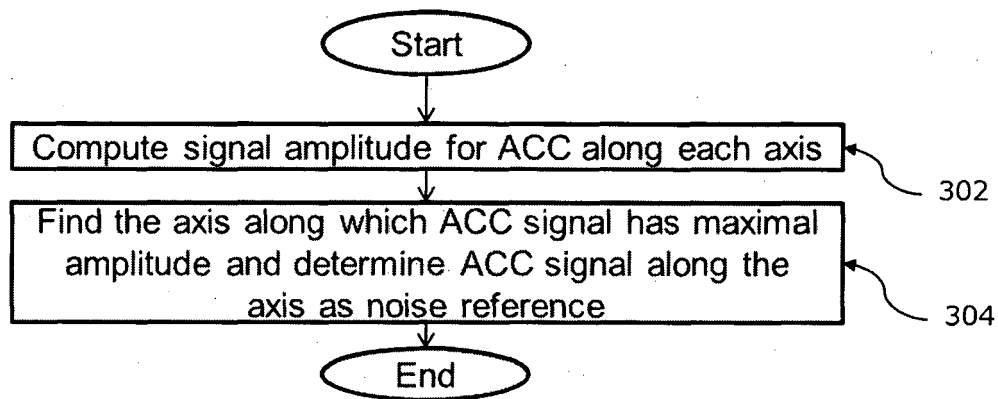


Fig. 3

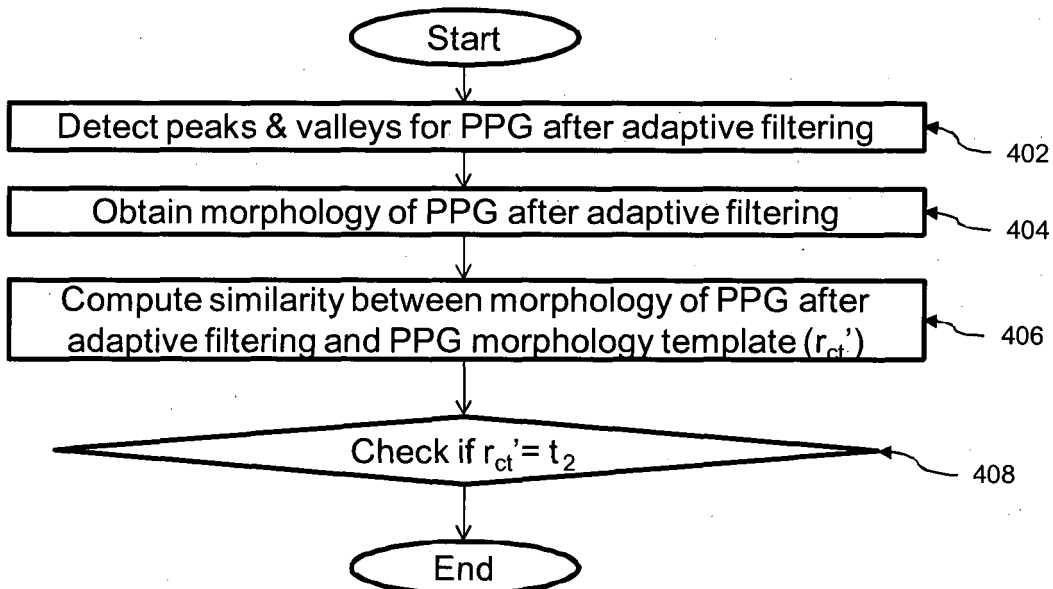


Fig. 4

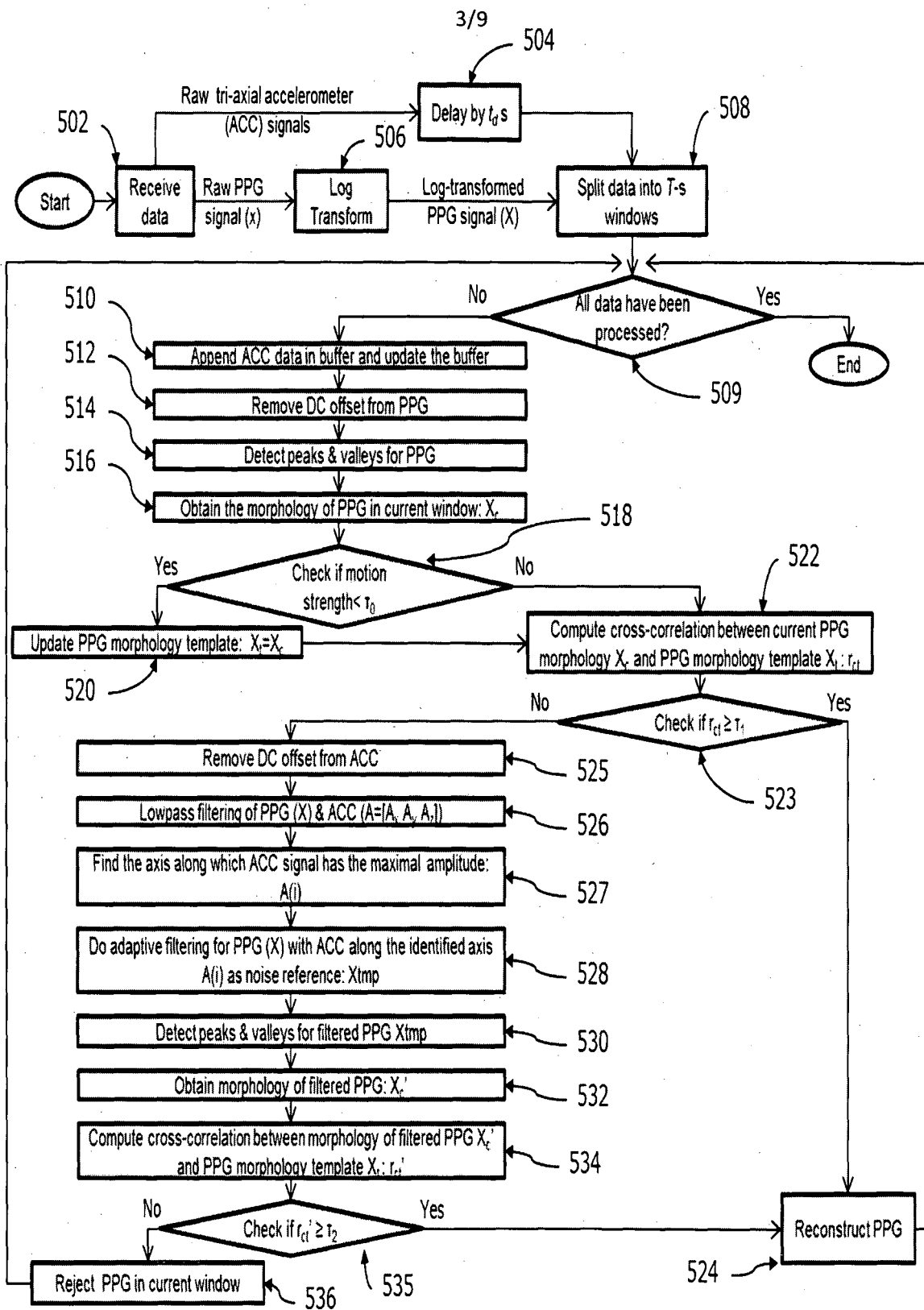
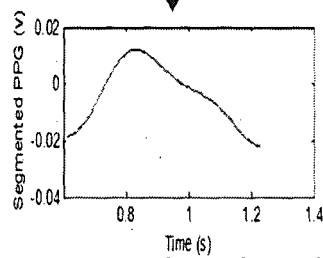
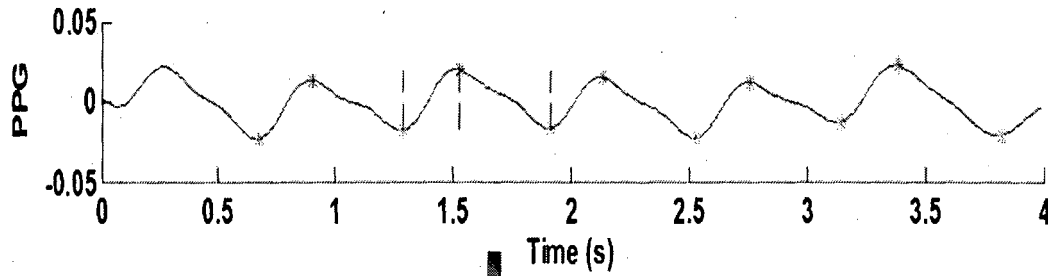
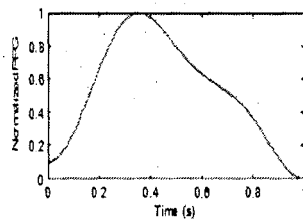


Fig. 5

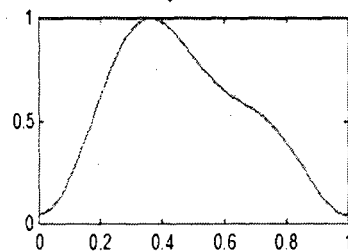
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(a) Segment PPG based on the detected peaks & valleys



(b) Normalize the PPG segments in both amplitude and time

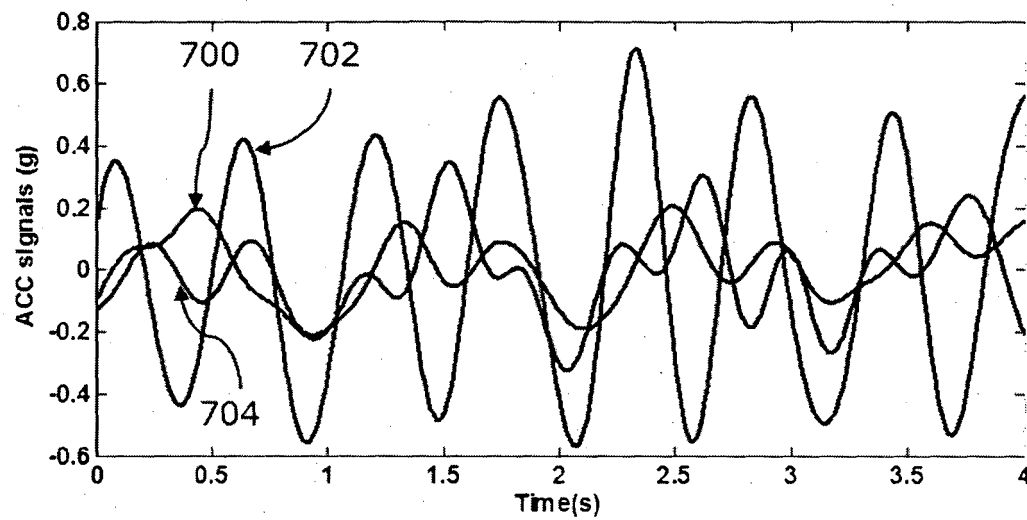


PPG
morphology

(c) Average the normalized PPG segments

Fig. 6

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ACC signal along y-axis (702) has the maximal amplitude and it is determined as the noise reference.

Fig. 7

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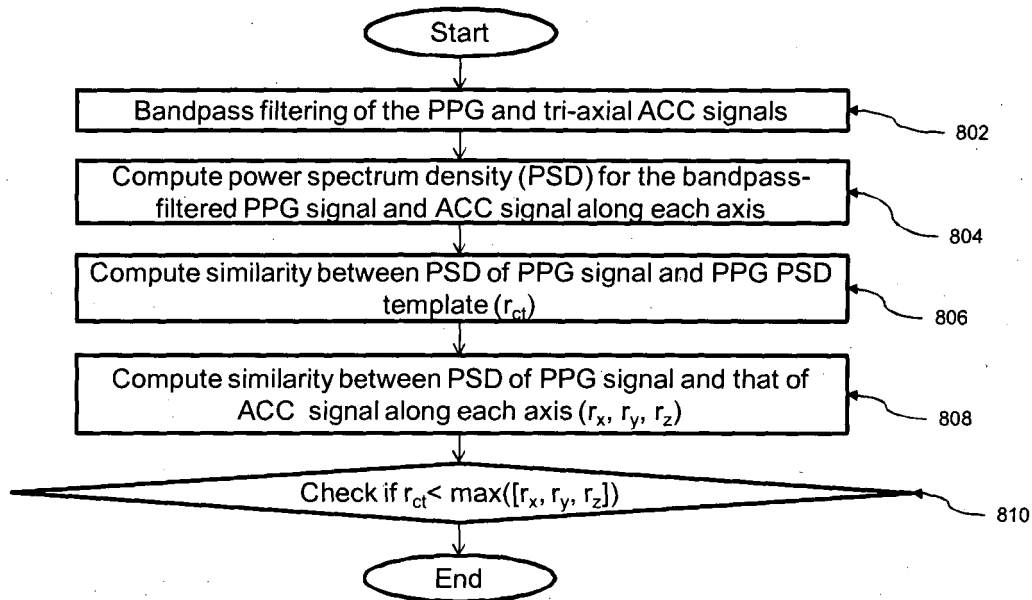


Fig. 8

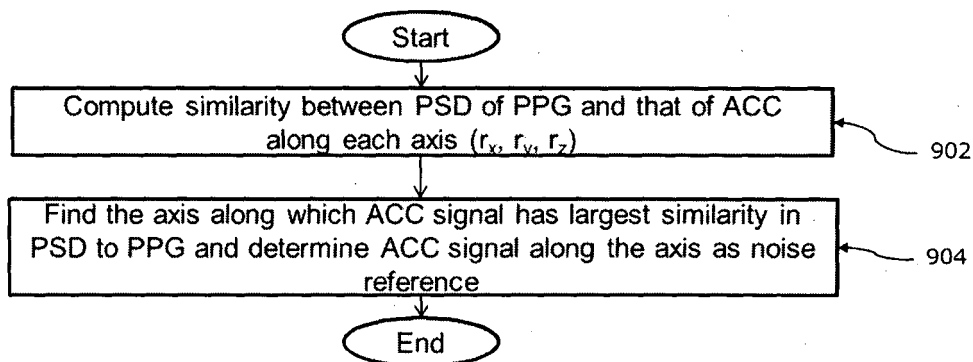


Fig. 9

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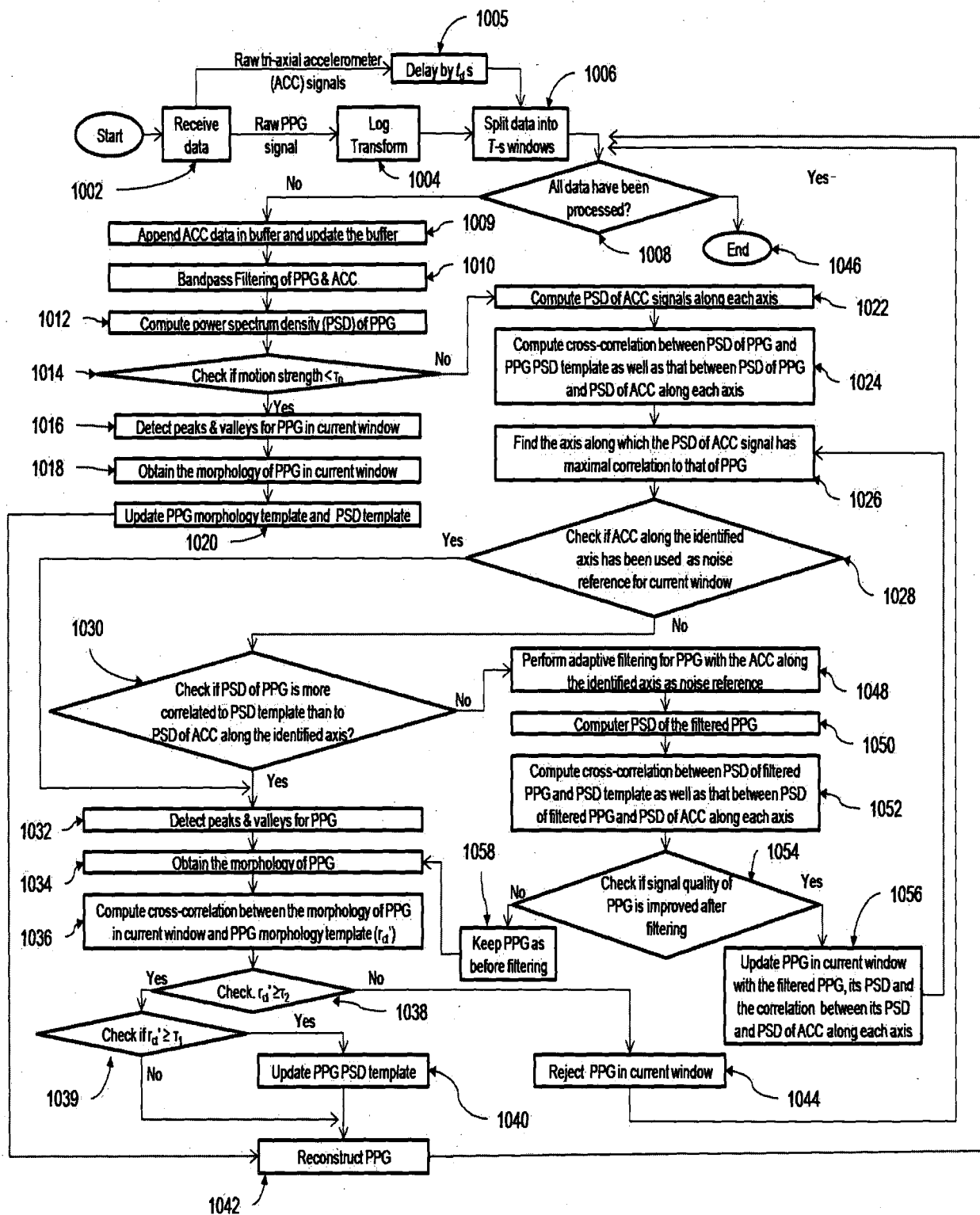


Fig. 10

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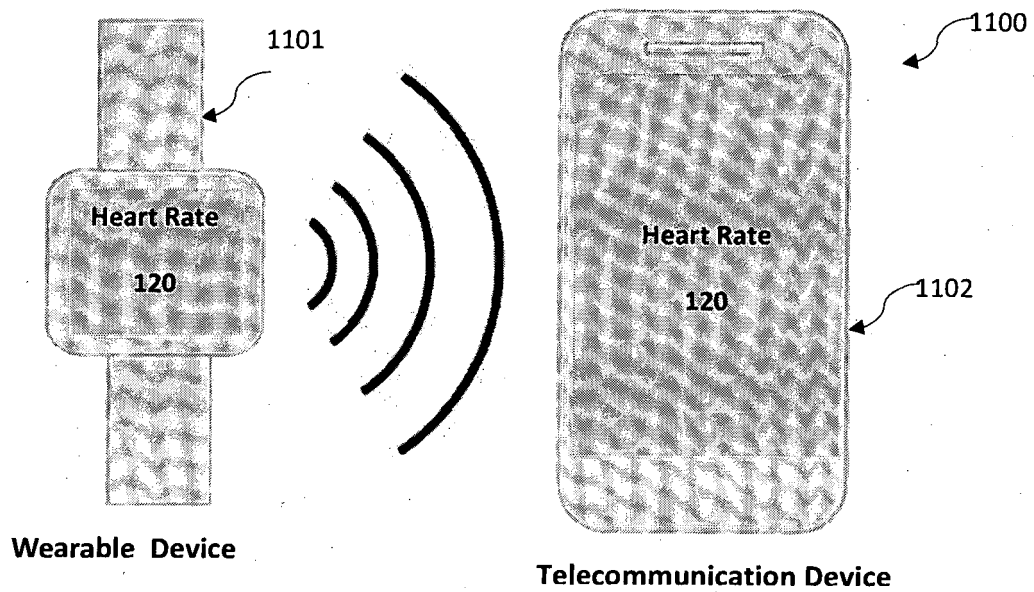


Fig. 11

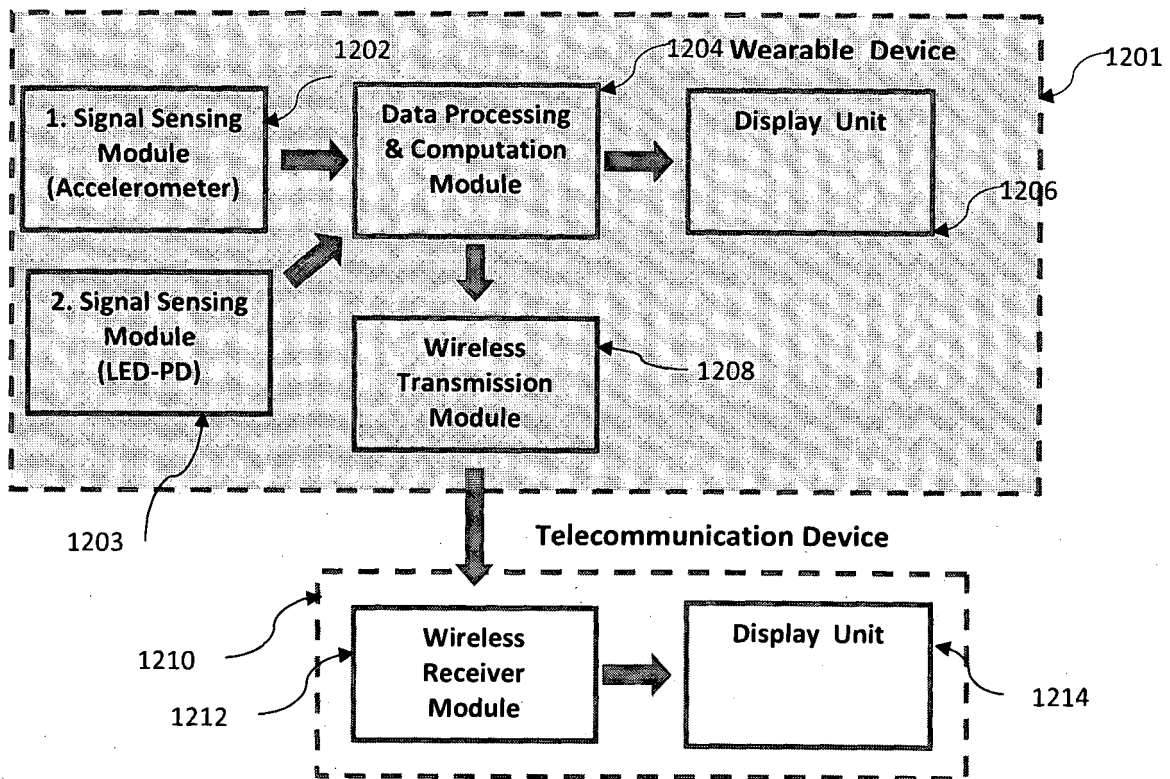


Fig. 12

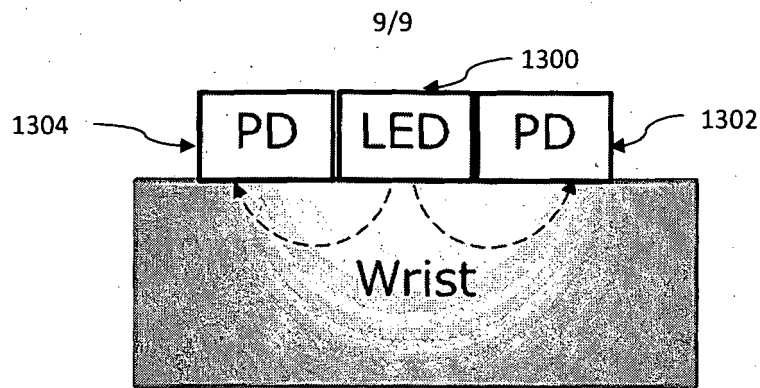


Fig. 13

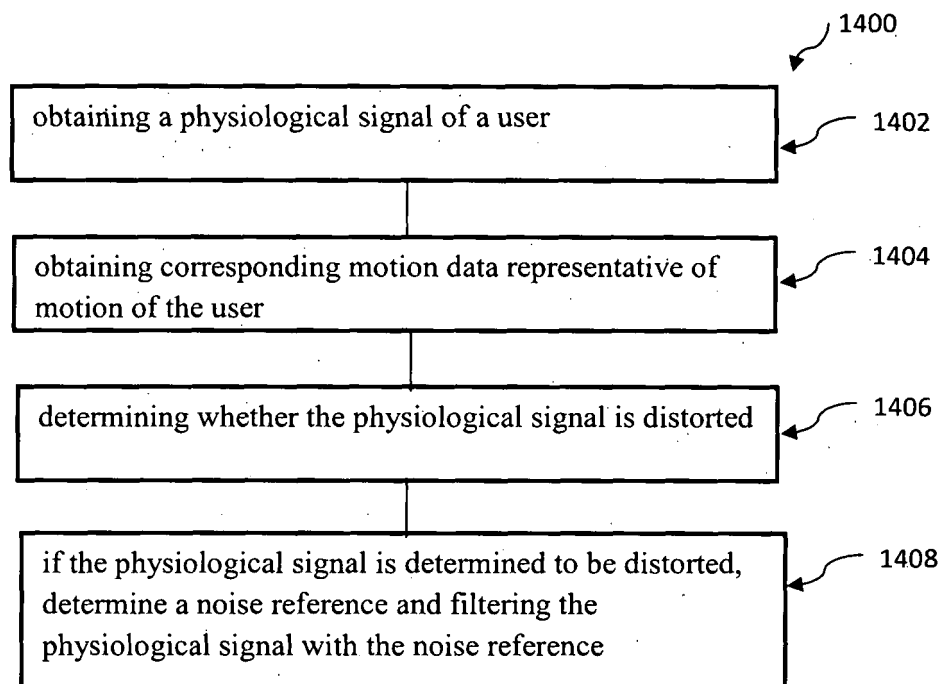


Fig. 14

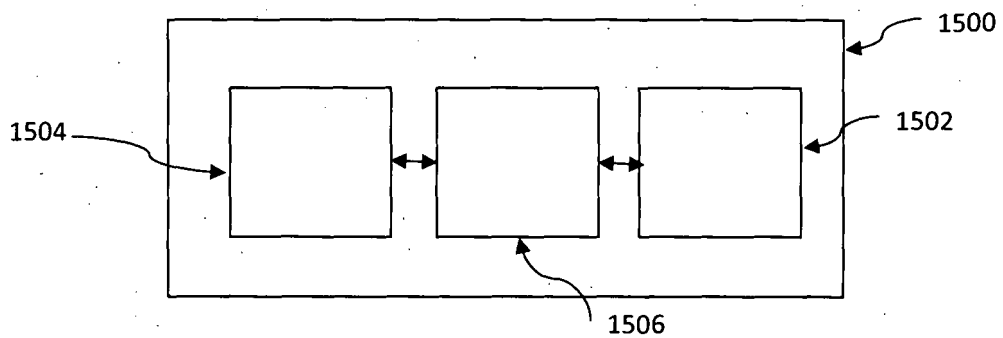


Fig. 15