

Apple Inc. and Fitbit, Inc. v. Valencell, Inc.

P.T.A.B. Proceeding No. IPR2017-00319¹

U.S. Patent No. 8,923,941

February 27, 2018

Instituted Grounds ('941 Patent)

Ground	Claims	Type	Primary Reference	Secondary Reference(s)
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IPR2017-00319 ('941 Patent)				
1	1, 2, 9, 11-13	§ 103	Luo	Craw
3	6, 8	§ 103	Luo	Craw, Fricke
4	7	§ 103	Luo	Craw, Fricke, Comtois
5	10	§ 103	Luo	Craw, Aceti
6	1, 2, 9, 11, 12	§ 103	Mault	Al-Ali
9	6-8	§ 103	Mault	Al-Ali, Han
10	10	§ 103	Mault	Al-Ali, Numaga
11	13	§ 103	Mault	Al-Ali, Ali

Claim 1

1. A method of generating data output containing physiological and motion-related information, the method comprising:

sensing physical activity and physiological information from a subject via a single monitoring device attached to the subject, wherein the monitoring device comprises at least one motion sensor for sensing the physical activity and at least one photoplethysmography (PPG) sensor for sensing the physiological information; and

processing signals from the at least one motion sensor and signals from the at least one PPG sensor via a processor of the monitoring device into a serial data output of physiological information and motion-related information, wherein the serial data output is configured such that a plurality of subject physiological parameters comprising subject heart rate and subject respiration rate can be extracted from the physiological information and such that a plurality of subject physical activity parameters can be extracted from the motion-related information.

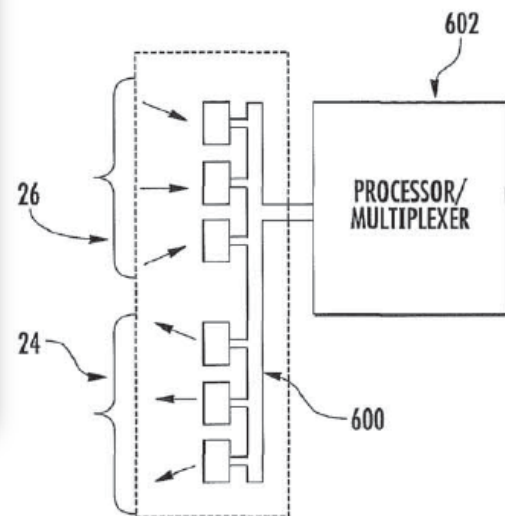
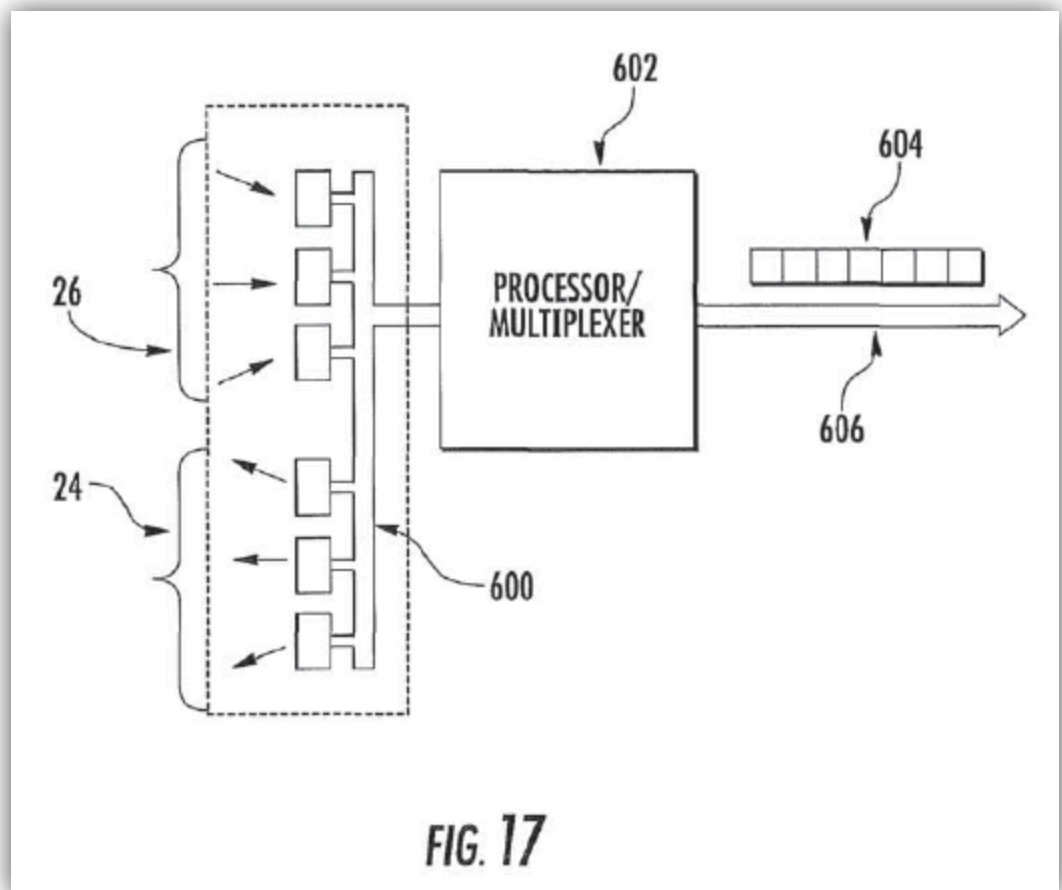


FIG. 17

The '941 Patent



**Ground 1 - Claims 1, 2, 9, and 11-13 are unpatentable o
Luo in view of Crow**

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