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Exhibit “2”



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Albert et al.

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- (54) **DISCORDANCE MONITORING**
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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

- A61B 5/046* (2006.01)
- A61B 5/0464* (2006.01)
- A61B 5/0408* (2006.01)
- (52) **U.S. Cl.**
CPC *A61B 5/0205* (2013.01); *A61B 5/681* (2013.01); *A61B 5/7267* (2013.01); *A61B 5/02405* (2013.01); *A61B 5/02438* (2013.01); *A61B 5/046* (2013.01); *A61B 5/0464* (2013.01); *A61B 5/04085* (2013.01); *A61B 5/1118* (2013.01); *A61B 2562/0219* (2013.01)
- (58) **Field of Classification Search**
None
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS

7,846,106	B2	12/2010	Andrews et al.	
9,839,363	B2 *	12/2017	Albert	<i>A61B 5/0205</i>
10,537,250	B2 *	1/2020	Albert	<i>A61B 5/681</i>
2007/0213624	A1	9/2007	Reisfeld et al.	
2012/0109675	A1	5/2012	Ziegler et al.	
2012/0197148	A1	8/2012	Levitan et al.	
2012/0289790	A1	11/2012	Jain et al.	
2014/0125619	A1	5/2014	Panther et al.	
2014/0163393	A1	6/2014	McCombie et al.	

(Continued)

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- (22) Filed: **Oct. 11, 2018**
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Related U.S. Application Data

- (63) Continuation of application No. 15/656,745, filed on Jul. 21, 2017, now Pat. No. 10,537,250, which is a continuation of application No. 15/154,849, filed on May 13, 2016, now Pat. No. 9,839,363.
- (60) Provisional application No. 62/161,092, filed on May 13, 2015.
- (51) **Int. Cl.**

- A61B 5/02* (2006.01)
- A61B 5/0205* (2006.01)
- A61B 5/00* (2006.01)
- A61B 5/024* (2006.01)
- A61B 5/11* (2006.01)

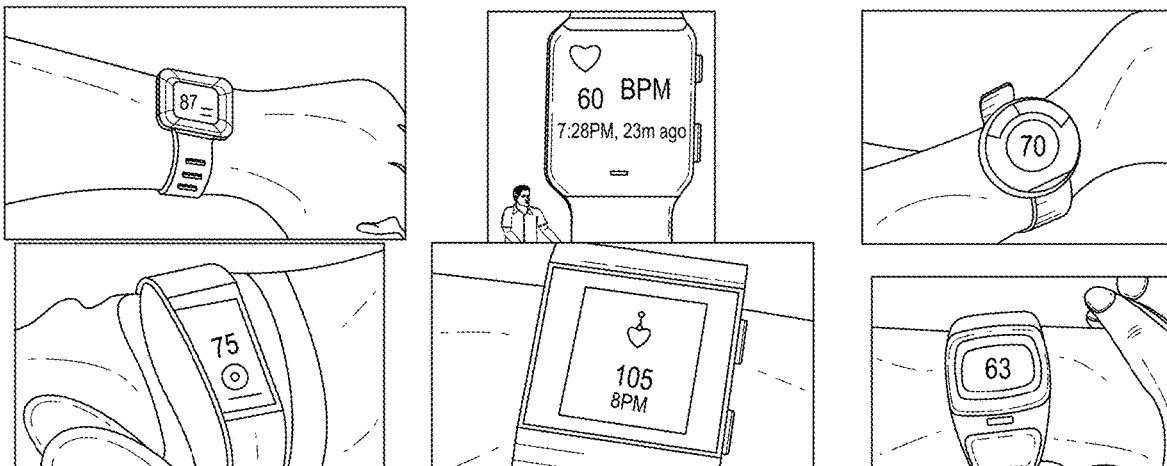
Primary Examiner — Ankit D Tejani
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(57) **ABSTRACT**

Described herein are systems, devices, and methods for cardiac monitoring. In particular, the systems, devices, and methods described herein may be used to conveniently sense the presence of an intermittent arrhythmia in an individual. The systems, devices, and methods described herein may be further configured to sense an electrocardiogram.

23 Claims, 7 Drawing Sheets

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(56)

References Cited

U.S. PATENT DOCUMENTS

2014/0276154	A1*	9/2014	Katra	A61B 5/04012
				600/509
2015/0057512	A1	2/2015	Kapoor	
2015/0122018	A1*	5/2015	Yuen	G01B 21/16
				73/384
2015/0305684	A1	10/2015	Gross	

* cited by examiner

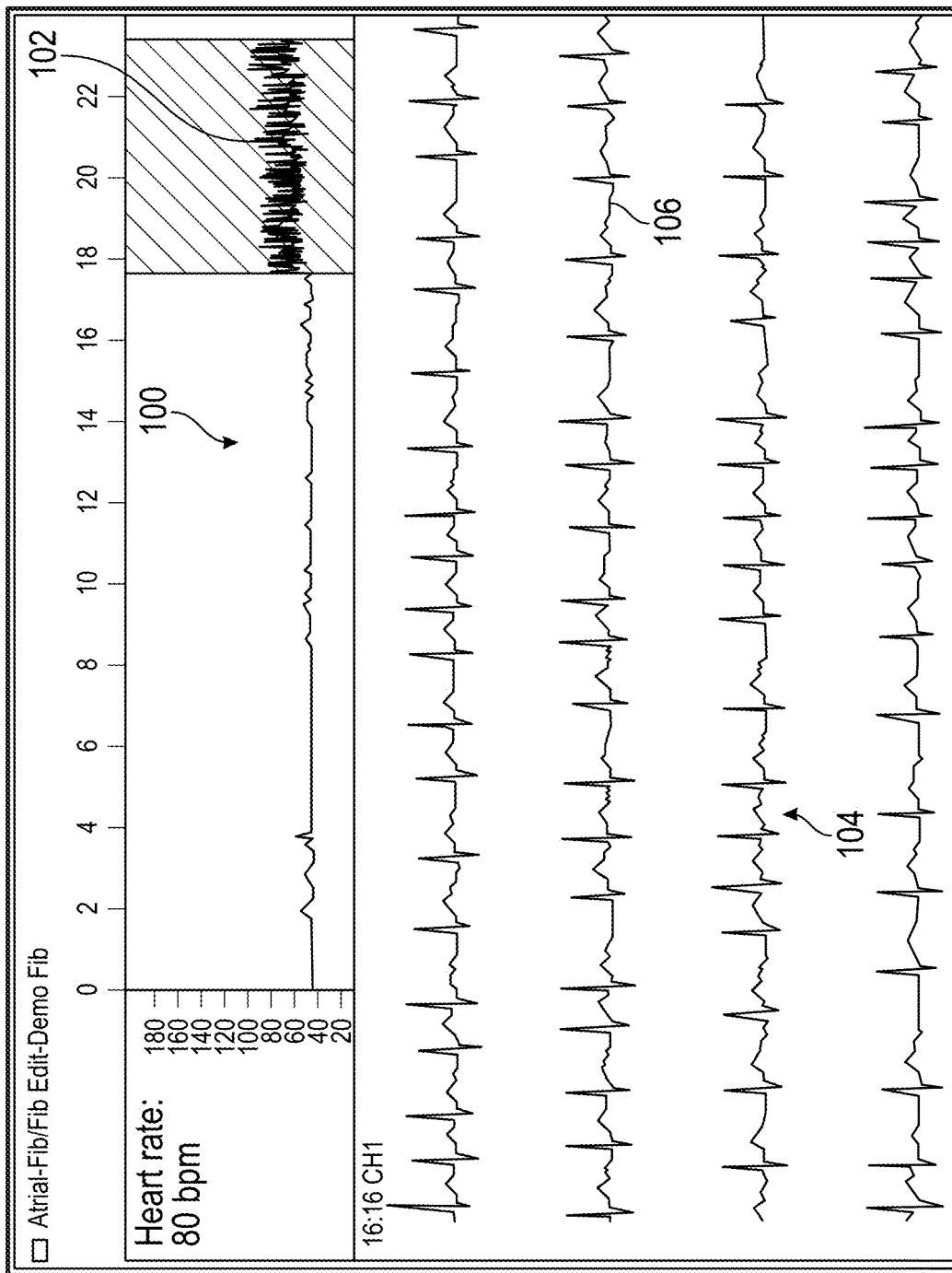


FIG. 1

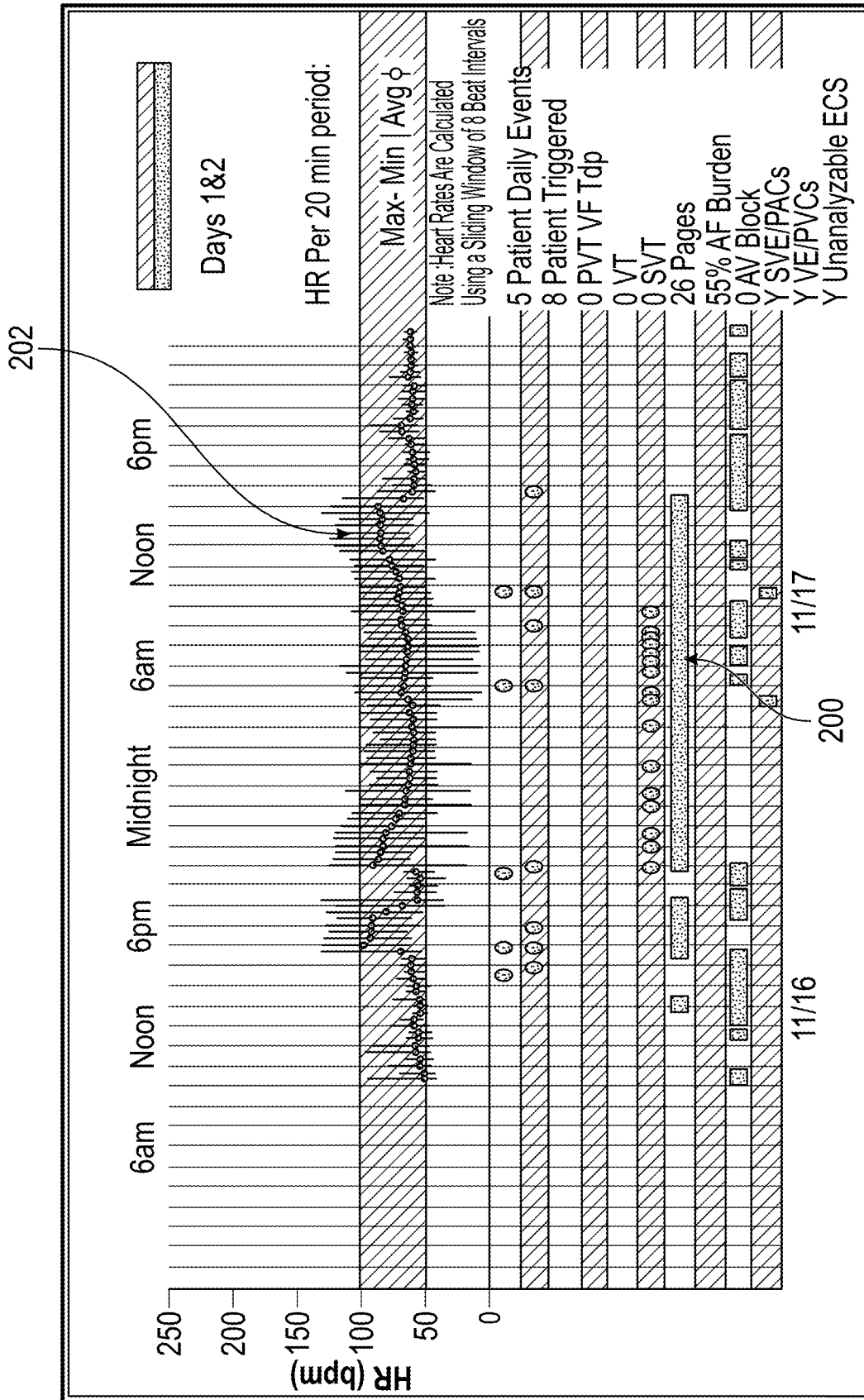


FIG. 2

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