

Exhibit “1”



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(12) **United States Patent**
Gopalakrishnan et al.

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(54) **METHODS AND SYSTEMS FOR**
ARRHYTHMIA TRACKING AND SCORING

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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.

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(65) **Prior Publication Data**

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Related U.S. Application Data

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(51) **Int. Cl.**
A61B 5/024 (2006.01)
A61B 5/0205 (2006.01)
(Continued)

(52) **U.S. Cl.**

CPC **A61B 5/02055** (2013.01); **A61B 5/0022** (2013.01); **A61B 5/0245** (2013.01); **A61B 5/02405** (2013.01); **A61B 5/02416** (2013.01); **A61B 5/046** (2013.01); **A61B 5/681** (2013.01); **A61B 5/6898** (2013.01);
(Continued)

(58) **Field of Classification Search**

USPC 600/508–509
See application file for complete search history.

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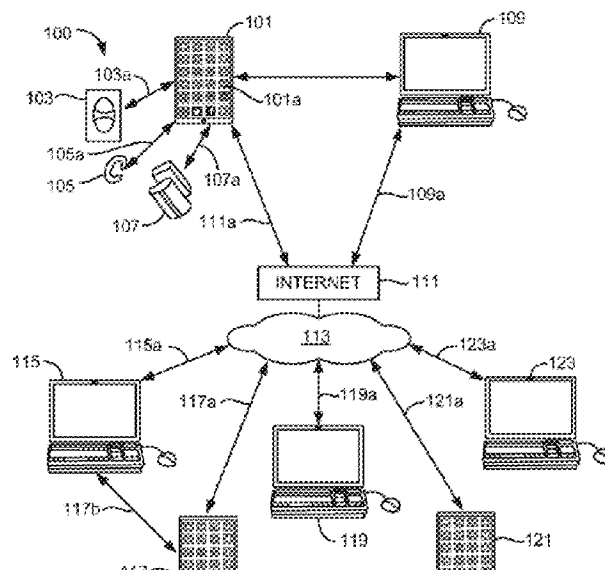
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(57) **ABSTRACT**

A dashboard centered around arrhythmia or atrial fibrillation tracking is provided. The dashboard includes a heart or cardiac health score that can be calculated in response to data from the user such as their ECG and other personal information and cardiac health influencing factors. The dashboard also provides to the user recommendations or goals, such as daily goals, for the user to meet and thereby improve their heart or cardiac health score. These goals and recommendations may be set by the user or a medical professional and routinely updated as his or her heart or cardiac health score improves or otherwise changes. The dashboard is generally displayed from an application provided on a smartphone or tablet computer of the user.

30 Claims, 16 Drawing Sheets



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Related U.S. Application Data

continuation of application No. 15/393,077, filed on Dec. 28, 2016, now Pat. No. 10,159,415, which is a continuation of application No. 14/730,122, filed on Jun. 3, 2015, now Pat. No. 9,572,499, which is a continuation of application No. 14/569,513, filed on Dec. 12, 2014, now Pat. No. 9,420,956.

- (60) Provisional application No. 62/014,516, filed on Jun. 19, 2014, provisional application No. 61/970,551, filed on Mar. 26, 2014, provisional application No. 61/969,019, filed on Mar. 21, 2014, provisional application No. 61/953,616, filed on Mar. 14, 2014, provisional application No. 61/915,115, filed on Dec. 12, 2013.

(51) **Int. Cl.**

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A61B 5/00 (2006.01)
G16H 20/40 (2018.01)
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G16H 40/63 (2018.01)
G16H 15/00 (2018.01)
G16H 10/60 (2018.01)
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G16H 50/30 (2018.01)

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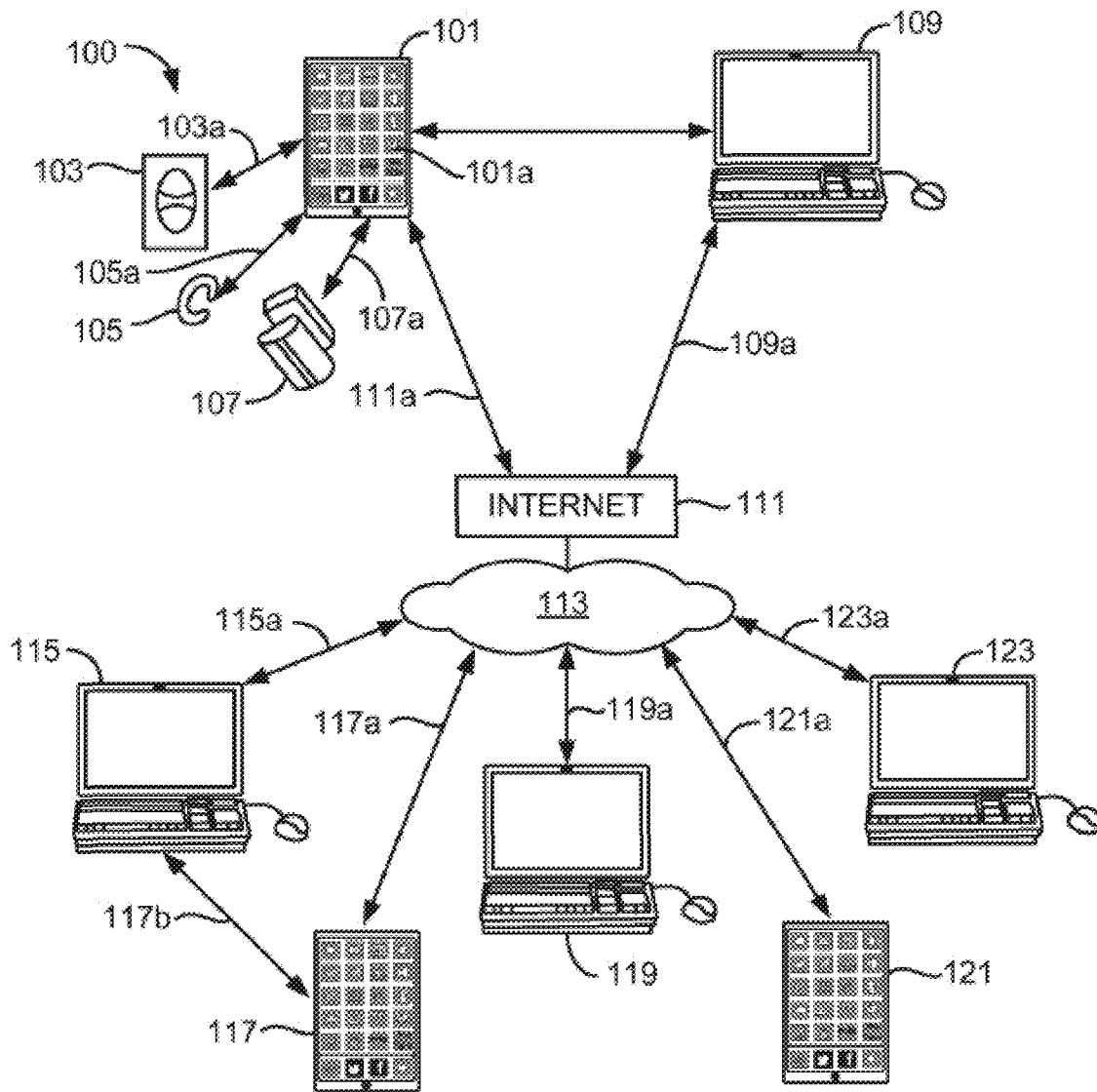


FIG. 1

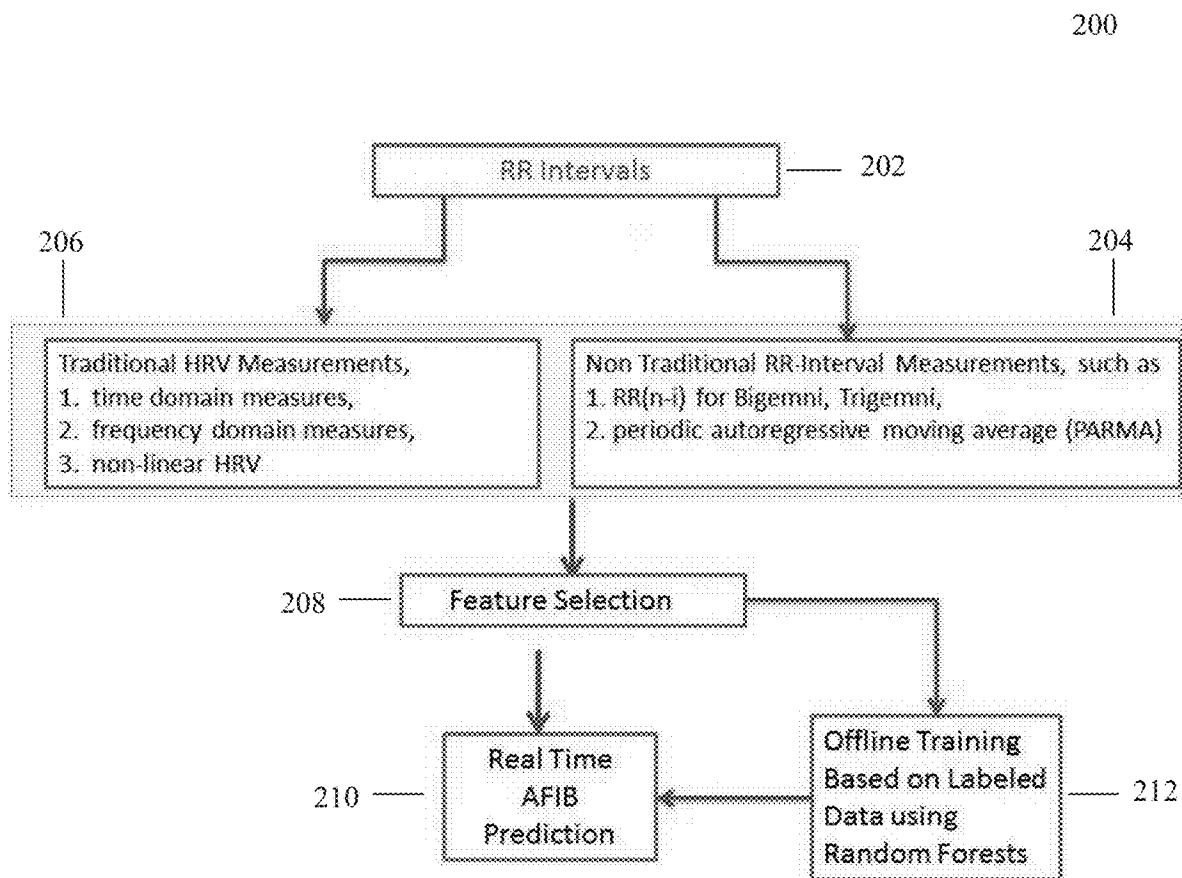


FIG. 2



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