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(54) Title: POSTURE DETECTION USING THORACIC IMPEDANCE

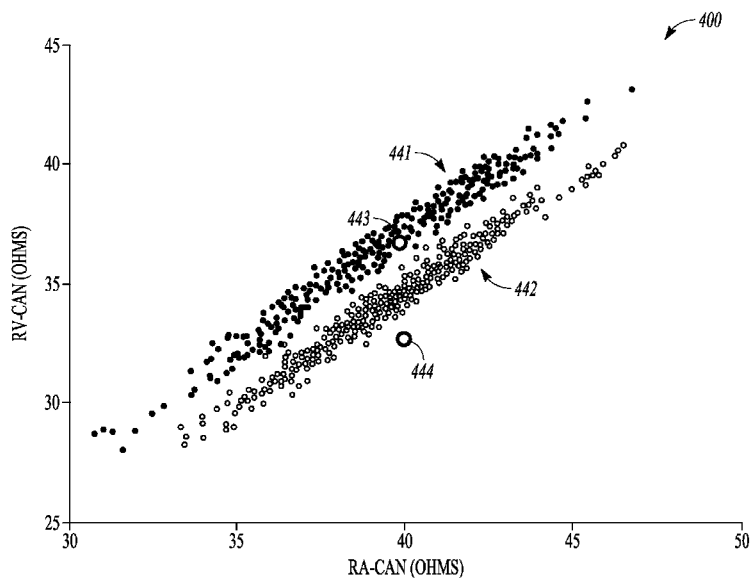


FIG. 4A

(57) Abstract: Physiological data, such as thoracic impedance data, can be obtained over a first time window to establish a baseline, or can be used to form one or more data clusters. Additional physiological data, such as thoracic impedance test data acquired over a later time window, can be obtained and compared to the baseline or data clusters to determine an indication of worsening heart failure. In an example, a quantitative attribute of one or more data clusters can be monitored and used to provide an indication of worsening heart failure. A posture discrimination metric can be obtained, such as using the physiological data obtained over the first time window. The additional physiological data, such as can be obtained over a second time window, can be compared to the posture discrimination metric to provide a patient posture status.

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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2007/001219 A1 (ST JUDE MEDICAL [SE]; OEHLANDER MALIN [SE]; HOLMSTROEM NILS [SE]; NORE) 4 January 2007 (2007-01-04) the whole document	1-20
A	US 2006/025699 A1 (MAILE KEITH R [US] ET AL) 2 February 2006 (2006-02-02) cited in the application paragraphs [0023] - [0026] paragraph [0033]	1-20
A	US 2010/004712 A1 (ZHAO WENXIA [US] ET AL) 7 January 2010 (2010-01-07) cited in the application paragraphs [0041] - [0061]; figures 4-7	1-20



Further documents are listed in the continuation of Box C.



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INTERNATIONAL SEARCH REPORT

Information on patent family members

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