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(54) **Title:** SYSTEMS AND METHODS FOR CARDIAC PACING USING BETA BLOCKERS

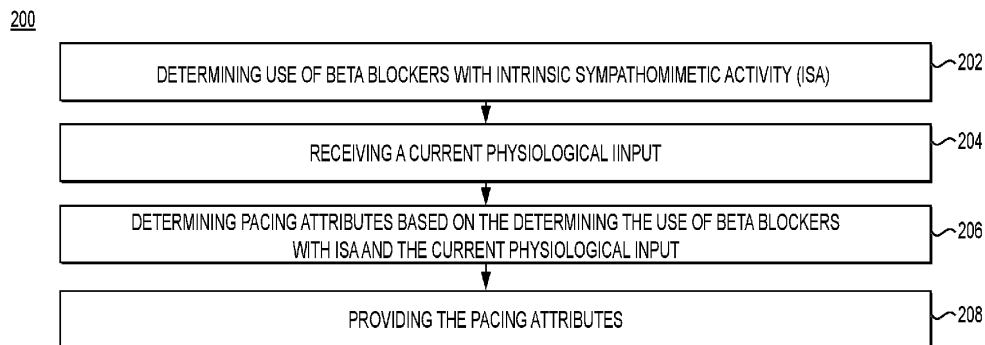


FIG. 2A

(57) **Abstract:** Techniques and systems disclosed herein are directed to determining pacing attributes for a patient and include determining use of a beta blocker with intrinsic sympathomimetic activity (ISA) by the patient, receiving a current physiological input, and determining pacing attributes based on the determining use of the beta blocker with ISA and the current physiological input. They further include receiving a current physiological input, determining pacing attributes based on the current physiological input, causing a pacing device to output pacing outputs based on the pacing attributes, receiving an updated physiological input after causing the pacing device to output the pacing outputs, determining that a difference between the current physiological input and the updated physiological input does not meet a threshold difference, and generating an indication of a presence or use of a non-ISA beta blocker based on the difference not meeting the threshold difference.

[Continued on next page]

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