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(54) Title: INTRACARDIAC DEVICE AND METHODS OF USE

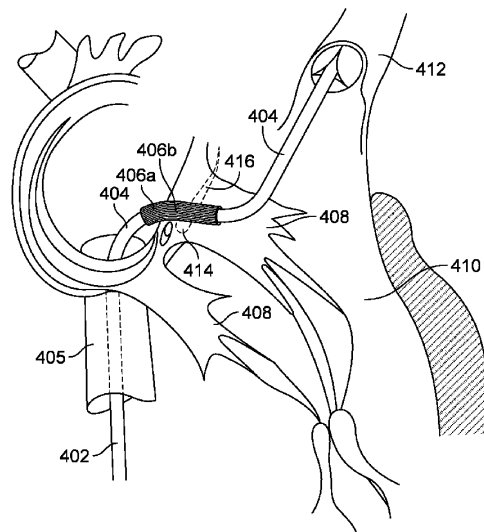


FIG. 4

(57) Abstract: Improvements to intracardiac devices such as intracardiac blood pump assemblies, and associated methods. In one example, the present technology includes systems and methods for pacing the heart, and/or performing cardiac ablation using electrodes mounted on a portion of the intracardiac device. In another example, the present technology includes systems and methods for detecting mural thrombi in a patient's heart using electrical sensors or ultrasonic phased arrays mounted on the intracardiac device. In another example, the present technology includes systems and methods for detecting tissue changes and reactions in heart tissue during treatment using one or more temperature sensors. In another example, the present technology includes an improved distal tip for use with an intracardiac device. In another example, the present technology includes systems and methods for maintaining an intracardiac device in a desired position within a patient's heart using magnets or ultrasonic phased arrays mounted on the intracardiac device.

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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