

Title (en)

CATHETERS, SYSTEMS, AND RELATED METHODS FOR MAPPING, MINIMIZING, AND TREATING CARDIAC FIBRILLATION

Title (de)

KATHETER, SYSTEME UND ZUGEHÖRIGE VERFAHREN ZUR ABBILDUNG, MINIMIERUNG UND BEHANDLUNG VON VORHOFFLIMMERN

Title (fr)

CATHÉTERS, SYSTÈMES ET PROCÉDÉS ASSOCIÉS POUR CARTOGRAPHIER, RÉDUIRE ET TRAITER UNE FIBRILLATION CARDIAQUE

Publication

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Application

EP 17879048 A 20171129

Priority

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Abstract (en)

[origin: WO2018106496A1] Catheters, systems, and related methods for optimized for mapping, minimizing, and treating cardiac fibrillation in a patient, including an array of at least one stacked electrode pair, each electrode pair including a first electrode and a second electrode, wherein each electrode pair is configured to be orthogonal to a surface of a cardiac tissue substrate, wherein each first electrode is in contact with the surface to record a first signal, and wherein each second electrode is separated from the first electrode by a distance which enables the second electrode to record a second signal, wherein the catheter is configured to obtain one or more measurements from at least a first signal and a second signal in response to electrical activity in the cardiac tissue substrate indicative of a number of electrical circuit cores and distribution of the electrical circuit cores for a duration across the cardiac tissue substrate.

IPC 8 full level

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Citation (search report)

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- [A] US 2014200430 A1 20140717 - SPECTOR PETER S [US]
- [A] CHRISTOPHER C.E. LANG ET AL: "Endocardial impedance mapping during circumferential pulmonary vein ablation of atrial fibrillation differentiates between atrial and venous tissue", HEART RHYTHM, vol. 3, no. 2, 1 February 2006 (2006-02-01), US, pages 171 - 178, XP055554684, ISSN: 1547-5271, DOI: 10.1016/j.hrthm.2005.10.017
- See references of WO 2018106496A1

Designated contracting state (EPC)

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