

Title (en)  
METHODS OF CARDIAC MAPPING AND MODEL MERGING

Title (de)  
VERFAHREN ZUR HERZKARTIERUNG UND MODELLZUSAMMENFÜHRUNG

Title (fr)  
PROCÉDÉS DE CARTOGRAPHIE CARDIAQUE ET DE FUSION DE MODÈLE

Publication  
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Application  
**EP 18756089 A 20180801**

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Abstract (en)  
[origin: WO2019028103A2] Various embodiments provide a cardiac mapping and model merging method including: generating a premature ventricular contraction (PVC) activation map of a heart based on a three-dimensional (3D) heart model and PVC electrocardiogram (ECG) data recording during PVC of the heart; generating a 3D internal surface model of the heart by triangulating point-by-point contact data collected during an electrophysiology (EP) procedure; merging the 3D activation map and the 3D internal surface model to form a PVC activation surface model; and pacing the heart at a first pacing location disposed in an area of earliest activation identified in PVC activation surface model.

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