

Title (en)

ATRIAL ARRHYTHMIA EPISODE DETECTION IN A CARDIAC MEDICAL DEVICE

Title (de)

DETEKTION EINER EPISODE EINER ATRIALEN ARHYTHMIE IN EINER KARDIALEN MEDIZINISCHEN VORRICHTUNG

Title (fr)

DÉTECTION D'UN ÉPISODE D'ARYTHMIE AURICULAIRE DANS UN DISPOSITIF MÉDICAL CARDIAQUE

Publication

**EP 3209196 A1 20170830 (EN)**

Application

**EP 15791115 A 20151021**

Priority

- US 201414520798 A 20141022
- US 201414520847 A 20141022
- US 201414520938 A 20141022
- US 2015056600 W 20151021

Abstract (en)

[origin: WO2016064962A1] A method and medical device for determining a cardiac event that includes sensing a cardiac signal, determining a predetermined number of sensed cardiac events in response to the sensed cardiac signal, determining a plurality of sensed event windows in response to the predetermined number of the sensed cardiac events, determining, for each of the plurality of sensed event windows, whether a number of paced events is less than a paced event threshold, determining whether intervals within the sensed event windows having a number of paced events less than the paced event threshold are greater than an interval threshold, determining an interval difference factor for each of the plurality of windows having intervals less than the interval threshold, and determining the cardiac event in response to the interval difference factors determined for each of the plurality of windows.

IPC 8 full level

**A61B 5/00** (2006.01); **A61B 5/361** (2021.01)

CPC (source: CN EP US)

**A61B 5/361** (2021.01 - CN EP US); **A61B 5/7217** (2013.01 - CN EP); **A61N 1/3962** (2013.01 - CN); **A61N 1/39622** (2017.07 - EP US)

Citation (search report)

See references of WO 2016064964A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2016064962 A1 20160428**; CN 107072579 A 20170818; CN 107072579 B 20200825; CN 107072580 A 20170818; CN 107072580 B 20200825; CN 112244866 A 20210122; CN 112244866 B 20240326; EP 3209196 A1 20170830; EP 3209201 A1 20170830; EP 3209201 B1 20200506; EP 3878356 A1 20210915; WO 2016064963 A1 20160428; WO 2016064964 A1 20160428

DOCDB simple family (application)

**US 2015056593 W 20151021**; CN 201580057322 A 20151021; CN 201580057386 A 20151021; CN 202010961591 A 20151021; EP 15791113 A 20151021; EP 15791115 A 20151021; EP 21172599 A 20151021; US 2015056599 W 20151021; US 2015056600 W 20151021