

Title (en)

HEATED VAPOR ABLATION SYSTEMS AND METHODS FOR TREATING CARDIAC CONDITIONS

Title (de)

BEHEIZTE DAMPFABSCHIEDUNGSSYSTEME UND VERFAHREN ZUR BEHANDLUNG VON HERZERKRANKUNGEN

Title (fr)

SYSTÈMES D'ABLATION À VAPEUR CHAUFFÉE ET PROCÉDÉS DE TRAITEMENT D'ÉTATS CARDIAQUES

Publication

EP 3849448 A4 20220615 (EN)

Application

EP 19860901 A 20190911

Priority

- US 201862729777 P 20180911
- US 201962844222 P 20190507
- US 2019050662 W 20190911

Abstract (en)

[origin: WO2020056031A1] Cardiac ablation catheters include an outer balloon positioned at a distal end of the catheter and configured to have an inner balloon disposed therein. The outer balloon is inflated with a first fluid that has a temperature less than 100 degrees Celsius, while the inner balloon is inflated with heated vapor. An area of contact between the two balloons, comprising a surface area less than the total surface area of either balloon, creates a hot zone for ablating cardiac tissue through the transfer of thermal energy from the contact area to the cardiac tissue.

IPC 8 full level

A61B 18/04 (2006.01); **A61B 18/12** (2006.01); **A61M 25/10** (2013.01)

CPC (source: EP)

A61B 18/04 (2013.01); **A61B 2018/00011** (2013.01); **A61B 2018/00232** (2013.01); **A61B 2018/0025** (2013.01); **A61B 2018/00255** (2013.01); **A61B 2018/00351** (2013.01); **A61B 2018/00375** (2013.01); **A61B 2018/00577** (2013.01); **A61B 2018/00791** (2013.01); **A61B 2018/00839** (2013.01); **A61B 2018/00875** (2013.01); **A61B 2018/044** (2013.01); **A61B 2018/046** (2013.01); **A61B 2018/048** (2013.01); **A61B 2090/064** (2016.02); **A61B 2090/3966** (2016.02)

Citation (search report)

- [X] WO 2018089773 A1 20180517 - FRACTYL LAB INC [US]
- [Y] US 2017367755 A1 20171228 - SHARMA VIRENDER K [US]
- [Y] US 2010160905 A1 20100624 - SHADDUCK JOHN H [US]
- See references of WO 2020056031A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2020056031 A1 20200319; AU 2019338398 A1 20210520; CN 113015495 A 20210622; EP 3849448 A1 20210721; EP 3849448 A4 20220615; JP 2022511318 A 20220131

DOCDB simple family (application)

US 2019050662 W 20190911; AU 2019338398 A 20190911; CN 201980074339 A 20190911; EP 19860901 A 20190911; JP 2021514379 A 20190911