Title (en)

Dual-purpose lasso catheter with irrigation

Title (de)

Doppelfunktions-Lasso-Katheter mit Spülung

Title (fr)

Cathéter lasso double fonction doté d'irrigation

Publication

EP 2229904 B9 20160525 (EN)

Application

EP 09252918 A 20091229

Priority

US 34572008 A 20081230

Abstract (en)

[origin: US2010168548A1] Cardiac catheters, including a lasso catheter, are provided for use in a system for electrical mapping of the heart has an array of raised, perforated electrodes, which are in fluid communication with an irrigating lumen. There are position sensors on a distal loop section and on a proximal base section of the catheter. The electrodes are sensing electrodes that may be adapted for pacing or ablation. The raised electrodes securely contact cardiac tissue, forming electrical connections having little resistance.

IPC 8 full level

A61B 18/14 (2006.01); **A61B 5/296** (2021.01); A61N 1/05 (2006.01)

CPC (source: EP US)

A61B 5/287 (2021.01 - EP US); **A61B 5/6855** (2013.01 - EP US); **A61B 18/1492** (2013.01 - EP US); **A61B 18/18** (2013.01 - EP US); A61B 18/20 (2013.01 - EP US); A61B 2018/00029 (2013.01 - EP US); A61B 2018/00577 (2013.01 - EP US); A61B 2018/1472 (2013.01 - EP US); A61B 2034/2051 (2016.02 - EP US); A61N 1/056 (2013.01 - EP US)

Cited by

CN106308929A; US9717559B2; USD1014762S; US9662169B2; US10751120B2; EP2340765B1; US10105179B2; US10219860B2; US10507057B2; US10842558B2; US10856937B2; US10869719B2; US10932850B2; US10939956B2; US11246656B2; US11471216B2; US11759255B2; US11793567B2; US11826095B2; US11986237B2; US12035965B2; US12064168B2

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

US 2010168548 A1 20100701; **US 8475450 B2 20130702**; AU 2009251155 A1 20100715; AU 2009251155 B2 20151022; AU 2015234342 A1 20151029; AU 2015234342 B2 20170921; CA 2688973 A1 20100630; CA 2688973 C 20170606; CA 2964662 A1 20100630; CN 101766502 A 20100707; CN 101766502 B 20150311; EP 2229904 A1 20100922; EP 2229904 B1 20160224; EP 2229904 B9 20160525; IL 203030 A 20150129; JP 2010155083 A 20100715; JP 5595723 B2 20140924; RU 2009149447 A 20110710; RU 2526964 C2 20140827

DOCDB simple family (application)

US 34572008 A 20081230; AU 2009251155 A 20091223; AU 2015234342 A 20151001; CA 2688973 A 20091222; CA 2964662 A 20091222; CN 200910263741 A 20091230; EP 09252918 A 20091229; IL 20303009 A 20091229; JP 2009297021 A 20091228; RU 2009149447 A 20091229