

Title (en)

DEVICES, SYSTEMS, AND METHODS FOR ASSESSING A VESSEL

Title (de)

VORRICHTUNGEN, SYSTEME UND VERFAHREN ZUR BEURTEILUNG EINES GEFÄSSES

Title (fr)

DISPOSITIFS, SYSTÈMES ET MÉTHODES D'ÉVALUATION D'UN VAISSEAU

Publication

EP 3136955 A1 20170308 (EN)

Application

EP 15736927 A 20150121

Priority

- US 2015012140 W 20150121
- US 201414157404 A 20140116

Abstract (en)

[origin: WO2015109339A1] Embodiments of the present disclosure are configured to assess the severity of a blockage in a vessel and, in particular, a stenosis in a blood vessel. In some particular embodiments, the devices, systems, and methods of the present disclosure are configured to assess the severity of a stenosis in the coronary arteries without the administration of a hyperemic agent. Further, in some implementations devices, systems, and methods of the present disclosure are configured to normalize and/or temporally align pressure measurements from two different pressure sensing instruments. Further still, in some instances devices, systems, and methods of the present disclosure are configured to exclude outlier cardiac cycles from calculations utilized to evaluate a vessel, including providing visual indication to a user that the cardiac cycles have been excluded.

IPC 8 full level

A61B 5/02 (2006.01)

CPC (source: EP)

A61B 5/02007 (2013.01); **A61B 5/02158** (2013.01); **A61B 5/6852** (2013.01); **A61B 5/7435** (2013.01); **A61B 5/7475** (2013.01); **A61B 5/026** (2013.01)

Citation (search report)

See references of WO 2015109339A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015109339 A1 20150723; EP 3136955 A1 20170308

DOCDB simple family (application)

US 2015012140 W 20150121; EP 15736927 A 20150121