

Title (en)

ROTATIONAL ATHERECTOMY DEVICE WITH EXCHANGEABLE DRIVE SHAFT AND MESHING GEARS

Title (de)

ROTIERENDE ATHEREKTOMIEVORRICHTUNG MIT AUSWECHSELBARER ANTRIEBSWELLE UND ZAHNRÄDERN

Title (fr)

DISPOSITIF D'ATHÉRECTOMIE ROTATIONNELLE MUNI D'UN ARBRE D'ENTRAÎNEMENT ÉCHANGEABLE ET DE ROUES ENGRENÉES

Publication

**EP 3215033 A1 20170913 (EN)**

Application

**EP 15856370 A 20151105**

Priority

- US 201414535751 A 20141107
- US 2015059231 W 20151105

Abstract (en)

[origin: WO2016073710A1] An atherectomy device with an exchangeable drive shaft is disclosed, having a drive shaft gear at a distal end of the exchangeable drive shaft for meshing engagement with a prime mover gear on the output shaft of the prime mover. The exchangeable drive shaft is inserted into an opening at the distal end of the handle housing and moved axially in a proximal direction. Surface features on at least the prime mover housing and the engageable drive shaft help to align the drive shaft gear with the prime mover gear for meshing engagement.

IPC 8 full level

**A61B 17/3205** (2006.01)

CPC (source: EP)

**A61B 17/320758** (2013.01); **A61B 2017/00017** (2013.01); **A61B 2017/00221** (2013.01); **A61B 2017/0046** (2013.01); **A61B 2017/00991** (2013.01)

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 2016073710 A1 20160512**; AU 2015343054 A1 20170427; AU 2015343054 B2 20190606; CA 2966301 A1 20160512; CN 106999207 A 20170801; EP 3215033 A1 20170913; EP 3215033 A4 20180704; JP 2017533038 A 20171109

DOCDB simple family (application)

**US 2015059231 W 20151105**; AU 2015343054 A 20151105; CA 2966301 A 20151105; CN 201580060615 A 20151105; EP 15856370 A 20151105; JP 2017523784 A 20151105