

Title (en)

MAGNETIC NAVIGATION OF MEDICAL DEVICES IN MAGNETIC FIELDS

Title (de)

MAGNETNAVIGATION VON MEDIZINPRODUKTEN IN MAGNETFELDERN

Title (fr)

NAVIGATION MAGNETIQUE DE DISPOSITIFS MEDICAUX DANS DES CHAMPS MAGNETIQUES

Publication

EP 1682026 A4 20090107 (EN)

Application

EP 04796484 A 20041026

Priority

- US 2004035545 W 20041026
- US 51515403 P 20031027

Abstract (en)

[origin: WO2005044081A2] A method of turning a medical device with the assistance of an externally applied magnetic field, in a direction with a component in a plane perpendicular to the direction of the externally applied magnetic field. The method includes applying a first torque to the distal end of the medical device by creating a magnetic moment at the distal end of the medical device, and applying a second torque to the distal end of the medical device. The second torque may be created by creating a second magnetic moment in the distal portion of the device spaced from the first, by using an electrostrictive device, by using a stylette inserted into the device, by using a fluid-driven shaped tube, or otherwise.

IPC 8 full level

A61B 19/00 (2006.01)

IPC 8 main group level

A61B (2006.01)

CPC (source: EP)

A61B 34/70 (2016.02); **A61B 34/73** (2016.02); **A61M 25/0127** (2013.01)

Citation (search report)

- [X] US 2003176786 A1 20030918 - MASCHKE MICHAEL [DE]
- [X] US 6216026 B1 20010410 - KUHN MICHAEL [DE], et al
- [A] US 6015414 A 20000118 - WERP PETER R [US], et al
- [A] US 6385472 B1 20020507 - HALL ANDREW F [US], et al
- See references of WO 2005044081A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005044081 A2 20050519; WO 2005044081 A3 20050714; EP 1682026 A2 20060726; EP 1682026 A4 20090107

DOCDB simple family (application)

US 2004035545 W 20041026; EP 04796484 A 20041026