

Title (en)

ILLUMINATED ENDOSCOPIC PEDICLE PROBE WITH DYNAMIC REAL TIME MONITORING FOR PROXIMITY TO NERVES

Title (de)

BELEUCHTETE ENDOSKOPISCHE PEDIKELSONDE MIT DYNAMISCHER ECHTZEITÜBERWACHUNG FÜR DIE NÄHE VON NERVEN

Title (fr)

SONDE PÉDICULAIRE ENDOSCOPIQUE ÉCLAIRÉE À SURVEILLANCE DYNAMIQUE EN TEMPS RÉEL DE LA PROXIMITÉ PAR RAPPORT AUX NERFS

Publication

**EP 3349639 A1 20180725 (EN)**

Application

**EP 16847542 A 20160919**

Priority

- US 201562219798 P 20150917
- US 2016052484 W 20160919

Abstract (en)

[origin: CN108135441A] An endoscopic pedicle probe has an elongate body with a proximal end and a distal end. A tip on the distal end is pushed into the pedicle to form the hole, and an enlarged head on the proximal end enables a surgeon to manipulate the probe. The body has an inner shaft with a cylindrical sleeve telescopically engaged over it. An endoscope extends through a longitudinal bore in the shaft, with a camera at the tip end connected with a monitor to enable a surgeon to visually observe the area being treated. A light extends through another bore to illuminate the area, and a further bore conducts irrigation fluid to and from the area. The sleeve is made of electrically non-conductive material and the shaft and tip are made of electrically conductive material to enable stimulation of nerves at the treatment area.

IPC 8 full level

**A61B 1/00** (2006.01); **A61B 17/00** (2006.01)

CPC (source: EP US)

**A61B 1/00045** (2013.01 - EP US); **A61B 1/00087** (2013.01 - EP US); **A61B 1/00135** (2013.01 - EP); **A61B 1/015** (2013.01 - EP US); **A61B 1/018** (2013.01 - EP); **A61B 1/05** (2013.01 - EP US); **A61B 1/06** (2013.01 - EP US); **A61B 1/3135** (2013.01 - EP); **A61B 5/389** (2021.01 - EP US); **A61B 17/1615** (2013.01 - EP); **A61B 5/407** (2013.01 - EP); **A61B 90/37** (2016.02 - EP); **A61B 2017/0023** (2013.01 - EP); **A61B 2017/0046** (2013.01 - EP); **A61B 2090/0807** (2016.02 - EP); **A61B 2090/309** (2016.02 - EP)

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)

CN 108135441 A 20180608; EP 3349639 A1 20180725; EP 3349639 A4 20190501

DOCDB simple family (application)

CN 201680053761 A 20160919; EP 16847542 A 20160919