

Title (en)

APPARATUS AND METHODS FOR PERCUTANEOUSLY PERFORMING SURGERY

Title (de)

GERÄT UND VERFAHREN ZUM AUSFÜHREN PERKUTANER CHIRURGISCHER EINGRIFFE

Title (fr)

APPAREIL ET PROCEDES ADAPTES A LA CHIRURGIE PAR VOIE PERCUTANEE

Publication

EP 1011460 A1 20000628 (EN)

Application

EP 97951467 A 19971125

Priority

- US 9721558 W 19971125
- US 3219696 P 19961202
- US 86387797 A 19970527
- US 86392597 A 19970527

Abstract (en)

[origin: WO9824372A1] Apparatus (20) and methods for performing surgery within a hollow body organ, are provided. A catheter (28) is provided having a longitudinal axis, and an end region carrying an end effector (25), the end region movable to a series of positions along the longitudinal axis, and with a selected orientation relative to the longitudinal axis. The catheter (28) includes elements (27) for stabilizing the end region of the apparatus within a hollow body organ, and for counteracting reaction forces developed during the actuation of the end effector (25). The end effector (25) provides for tissue cutting, and aspiration of severed tissue from a treatment site.

IPC 1-7

A61B 17/00

IPC 8 full level

A61B 17/32 (2006.01); **A61B 17/22** (2006.01); **A61B 18/12** (2006.01); **A61B 18/14** (2006.01); **A61B 17/00** (2006.01); **A61B 17/34** (2006.01); **A61B 19/00** (2006.01); **A61M 1/00** (2006.01)

CPC (source: EP)

A61B 17/3207 (2013.01); **A61B 17/320758** (2013.01); **A61B 18/1492** (2013.01); **A61B 34/20** (2016.02); **A61B 90/37** (2016.02); **A61B 2017/00022** (2013.01); **A61B 2017/00026** (2013.01); **A61B 2017/00247** (2013.01); **A61B 2017/003** (2013.01); **A61B 2017/00398** (2013.01); **A61B 2017/00685** (2013.01); **A61B 2017/22077** (2013.01); **A61B 2017/3488** (2013.01); **A61B 2018/00196** (2013.01); **A61B 2018/00208** (2013.01); **A61B 2018/00267** (2013.01); **A61B 2018/00279** (2013.01); **A61B 2018/00291** (2013.01); **A61B 2018/00392** (2013.01); **A61B 2018/00738** (2013.01); **A61B 2018/00761** (2013.01); **A61B 2018/00839** (2013.01); **A61B 2018/00916** (2013.01); **A61B 2018/1437** (2013.01); **A61B 2018/1861** (2013.01); **A61B 2090/3782** (2016.02); **A61B 2217/005** (2013.01); **A61B 2218/002** (2013.01); **A61B 2218/007** (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9824372 A1 19980611; AU 5510198 A 19980629; CA 2273149 A1 19980611; EP 1011460 A1 20000628; EP 1011460 A4 20010919; JP 2001505460 A 20010424

DOCDB simple family (application)

US 9721558 W 19971125; AU 5510198 A 19971125; CA 2273149 A 19971125; EP 97951467 A 19971125; JP 52564498 A 19971125