

Title (en)
ENDOSCOPIC TRANSLUMENAL ARTICULATABLE AND STEERABLE FLEXIBLE OVERTUBE

Title (de)
ENDOSKOPISCHER TRANSLUMINALER GELENKIGER UND STEUERBARER FLEXIBLER ÜEBRTUBUS

Title (fr)
SURTUBE ENDOSCOPIQUE TRANSLUMINAL FLEXIBLE, ARTICULABLE ET GUIDABLE

Publication
EP 2341815 A1 20110713 (EN)

Application
EP 09790361 A 20090714

Priority
• US 2009050451 W 20090714
• US 17278208 A 20080714
• US 17275208 A 20080714

Abstract (en)
[origin: WO2010009070A1] Apparatus, system, and method for use with an endoscope are disclosed. A flexible overtube (12) having a proximal end and a distal end defines a hollow lumen therebetween to receive a flexible shaft portion of an endoscope (14) therein. The proximal end (17a) of the flexible overtube is configured to remain outside of a patient and the distal end (17b) is configured to enter the patient through a natural orifice. At least one fluid tight seal (26) is located at the proximal end of the flexible overtube to prevent leakage of fluids around the flexible shaft of the endoscope when the flexible shaft of the endoscope is positioned within the flexible overtube. The system further includes a flexible endoscope. An apparatus having an elongate hollow metal body extending along a longitudinal axis is disclosed. The hollow body defines a central opening and has a predetermined wall thickness. A pattern of laser cut slits is formed into the body. The slits define a plurality of articulatable elements. The plurality of articulatable elements enable active articulation of the body in a first plane and passive deflection in planes orthogonal to the first plane.

IPC 8 full level
A61B 1/005 (2006.01); **A61B 1/313** (2006.01); **A61B 17/34** (2006.01)

CPC (source: EP US)
A61B 1/00135 (2013.01 - EP); **A61B 1/00137** (2013.01 - EP); **A61B 1/00154** (2013.01 - EP); **A61B 1/015** (2013.01 - EP);
A61B 1/3132 (2013.01 - EP US); **A61B 1/005** (2013.01 - EP US); **A61B 17/3478** (2013.01 - EP); **A61B 2017/00278** (2013.01 - EP);
A61B 2017/003 (2013.01 - EP); **A61B 2017/3452** (2013.01 - EP); **A61B 2017/3486** (2013.01 - EP); **A61B 2017/3488** (2013.01 - EP)

Citation (search report)
See references of WO 2010009070A1

Citation (examination)
• US 2006217665 A1 20060928 - PROSEK MICHAEL [US]
• US 2006287577 A1 20061221 - WENDLANDT JEFFREY M [US]

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2010009070 A1 20100121; BR PI0916800 A2 20200818; EP 2341815 A1 20110713

DOCDB simple family (application)
US 2009050451 W 20090714; BR PI0916800 A 20090714; EP 09790361 A 20090714