

Title (en)
LASER VIDEO ENDOSCOPE

Title (de)
LASERVIDEO-ENDOSKOP

Title (fr)
ENDOSCOPE VIDÉO LASER

Publication
EP 3386372 A4 20190918 (EN)

Application
EP 16873968 A 20161209

Priority
• US 201514966151 A 20151211
• US 2016065939 W 20161209

Abstract (en)
[origin: WO2017100651A1] Laser video endoscope has laser guide, illumination guide and image guide which extend through optical probe and through hand piece that supports the probe. Hand piece is connected by optical fiber cable to laser energy source and illumination source. Image is transmitted from hand piece to image processing interface by camera assembly optically coupled and mounted directly to hand piece and via electrical cable extending from camera assembly. Camera and its electrical cable can be uncoupled from hand piece and reused. The rest of the product, including probe and hand piece, can be disposed of after each medical routine. Probe can have proximal portion and distal portion such that proximal portion extends from distal end of hand piece, and outside diameter of proximal portion as measured at least near the distal end of hand piece is greater than the outside diameter of the distal portion.

IPC 8 full level
A61B 1/07 (2006.01); **A61B 1/00** (2006.01); **A61F 9/008** (2006.01)

CPC (source: EP)
A61B 1/00066 (2013.01); **A61B 1/00105** (2013.01); **A61B 1/00126** (2013.01); **A61B 1/00165** (2013.01); **A61B 1/042** (2013.01); **A61B 1/07** (2013.01); **A61F 9/008** (2013.01)

Citation (search report)
• [XY] US 2012215065 A1 20120823 - MUKHERJEE APURBA [US]
• [Y] US 5893828 A 19990413 - URAM MARTIN [US]
• [Y] US 2012265010 A1 20121018 - URAM MARTIN [US]
• [A] US 2004082915 A1 20040429 - KADAN JEFFREY S [US]
• [A] EP 0512592 A1 19921111 - URAM MARTIN M D [US]
• See references of WO 2017100651A1

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

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US 2016065939 W 20161209; CN 201680081299 A 20161209; EP 16873968 A 20161209; JP 2018530056 A 20161209; JP 2022001881 A 20220107