

Title (en)
SYSTEM COMPRISING A CAMERA ARRAY DEPLOYABLE OUT OF A CHANNEL OF A TISSUE PENETRATING SURGICAL DEVICE

Title (de)
SYSTEM MIT EINER AUS EINEM KANAL EINER GEWEBEDURCHDRINGENDEN CHIRURGISCHEN VORRICHTUNG AUSFAHRBAREN KAMERAANORDNUNG

Title (fr)
SYSTÈME COMPRENANT UNE MATRICE DE CAMÉRAS DÉPLOYABLES HORS D'UN CANAL D'UN DISPOSITIF CHIRURGICAL PÉNÉTRANT UN TISSU

Publication
EP 4178473 A1 20230517 (EN)

Application
EP 22718802 A 20220411

Priority
• US 202163174674 P 20210414
• US 202163284326 P 20211130
• US 202217688660 A 20220307
• IB 2022053375 W 20220411

Abstract (en)
[origin: WO2022219501A1] A camera system integrated into a trocar. The camera system allows for wide field of view of an internal surgical site and 3D mapping of fiducial markers during a laparoscopic procedure. Upon entry into the patient, the camera system is configured to deploy from a recessed position at the distal end of the trocar. In various aspects, the internal camera system is configured to keep the trocar ports free for surgical instruments and provide the surgical staff members with an increased view of the surgical environment.

IPC 8 full level
A61B 17/34 (2006.01); **A61B 34/20** (2016.01); **A61B 90/00** (2016.01)

CPC (source: EP)
A61B 17/3403 (2013.01); **A61B 17/3417** (2013.01); **A61B 17/3421** (2013.01); **A61B 17/3474** (2013.01); **A61B 90/10** (2016.02); **A61B 90/361** (2013.01); **A61B 34/37** (2016.02); **A61B 2017/00026** (2013.01); **A61B 2017/00084** (2013.01); **A61B 2017/00734** (2013.01); **A61B 2018/1253** (2013.01); **A61B 2018/126** (2013.01); **A61B 2034/2048** (2016.02); **A61B 2034/2055** (2016.02); **A61B 2034/2065** (2016.02); **A61B 2034/2068** (2016.02); **A61B 2090/0807** (2016.02); **A61B 2090/304** (2016.02); **A61B 2090/363** (2016.02); **A61B 2090/365** (2016.02); **A61B 2090/372** (2016.02); **A61B 2090/3937** (2016.02); **A61B 2090/3941** (2016.02); **A61B 2090/395** (2016.02); **A61B 2090/502** (2016.02); **A61B 2218/002** (2013.01); **A61B 2218/007** (2013.01)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022219501 A1 20221020; BR 112023021416 A2 20231219; EP 4178473 A1 20230517; JP 2024513992 A 20240327

DOCDB simple family (application)
IB 2022053375 W 20220411; BR 112023021416 A 20220411; EP 22718802 A 20220411; JP 2023563026 A 20220411