

Title (en)

POWERED SURGICAL INSTRUMENTS WITH EXTERNAL CONNECTORS

Title (de)

ANGETRIEBENE CHIRURGISCHE INSTRUMENTE MIT EXTERNEN ANSCHLÜSSEN

Title (fr)

INSTRUMENTS CHIRURGICAUX ALIMENTÉS, POURVUS DE CONNECTEURS EXTERNES

Publication

**EP 4081134 A1 20221102 (EN)**

Application

**EP 21819595 A 20211129**

Priority

- US 202017109589 A 20201202
- US 202017109651 A 20201202
- IB 2021061047 W 20211129

Abstract (en)

[origin: WO2022118159A1] A modular surgical instrument system, comprising a handle assembly, comprising a disposable outer housing configured to define a sterile barrier. The disposable outer housing comprises a first housing-portion and a second housing-portion movable relative to the first housing-portion between an open configuration and a closed configuration. The handle assembly further comprises a control inner core receivable inside the disposable outer housing in the open configuration. The disposable outer housing is configured to isolate the control inner core in the closed configuration. The modular surgical instrument system further comprises a primary wired interface configured to transmit data and power between the control inner core and at least one of modular components of the modular surgical instrument system, a secondary interface comprising a sensor located within the outer housing, and a control circuit configured to confirm a primary connection through the primary wired interface based on at least one sensor reading.

IPC 8 full level

**A61B 17/072** (2006.01); **A61B 17/00** (2006.01); **A61B 90/00** (2016.01); **A61B 90/98** (2016.01); **A61L 2/24** (2006.01)

CPC (source: EP)

**A61B 17/07207** (2013.01); **A61B 90/98** (2016.02); **A61L 2/186** (2013.01); **A61L 2/28** (2013.01); **A61B 17/07292** (2013.01); **A61B 18/1445** (2013.01); **A61B 90/70** (2016.02); **A61B 2017/00017** (2013.01); **A61B 2017/00115** (2013.01); **A61B 2017/00221** (2013.01); **A61B 2017/0023** (2013.01); **A61B 2017/00398** (2013.01); **A61B 2017/0046** (2013.01); **A61B 2017/00473** (2013.01); **A61B 2017/00482** (2013.01); **A61B 2017/00876** (2013.01); **A61B 2017/07271** (2013.01); **A61B 2018/00178** (2013.01); **A61B 2018/00589** (2013.01); **A61B 2018/0063** (2013.01); **A61B 2018/00922** (2013.01); **A61B 2090/0803** (2016.02); **A61B 2090/0807** (2016.02); **A61B 2090/0808** (2016.02); **A61B 2090/0813** (2016.02); **A61B 2090/0814** (2016.02); **A61L 2202/14** (2013.01); **A61L 2202/24** (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 2022118159 A1 20220609**; EP 4081134 A1 20221102; JP 2023551921 A 20231213

DOCDB simple family (application)

**IB 2021061047 W 20211129**; EP 21819595 A 20211129; JP 2023533694 A 20211129