

Title (en)

CATHETER ROBOT COMPRISING AT LEAST TWO MODULES FOR MOVING AN ELONGATE FLEXIBLE MEDICAL INSTRUMENT IN TRANSLATION

Title (de)

KATHETERROBOTER MIT MINDESTENS ZWEI MODULEN ZUR BEWEGUNG EINES LÄNGLICHEN FLEXIBLEN MEDIZINISCHEN INSTRUMENTS IN TRANSLATION

Title (fr)

ROBOT CATHETER COMPRENANT AU MOINS DEUX MODULES DE TRANSLATION D'INSTRUMENT MEDICAL SOUPLE ALLONGE

Publication

EP 4267032 A1 20231101 (FR)

Application

EP 21843736 A 20211222

Priority

- FR 2014196 A 20201228
- EP 2021087253 W 20211222

Abstract (en)

[origin: WO2022144266A1] The invention relates to a catheter robot having a longitudinal axis and comprising: a catheter robot holder (14), a distal module comprising an internal mechanism for moving an external elongate flexible medical instrument in longitudinal translation and rotation, a proximal module comprising an internal mechanism for moving an internal elongate flexible medical instrument in longitudinal translation and rotation, the distal module being intended to be disposed between the patient and the proximal module, the external elongate flexible medical instrument surrounding the internal elongate flexible medical instrument along at least a part of the longitudinal axis, characterized in that: the proximal module is movable in longitudinal translation with respect to the holder (14) and/or with respect to the distal module, the proximal module also comprises an internal mechanism for rotating the external elongate flexible medical instrument, which is feedback-controlled according to the rotation of the internal mechanism for moving the external elongate flexible medical instrument in longitudinal translation and rotation of the distal module .

IPC 8 full level

A61B 34/30 (2016.01); **A61B 17/00** (2006.01); **A61B 90/00** (2016.01)

CPC (source: EP KR US)

A61B 34/30 (2016.02 - EP KR US); **A61M 25/09** (2013.01 - US); **A61B 2017/00292** (2013.01 - EP KR); **A61B 2017/003** (2013.01 - EP KR); **A61B 2034/301** (2016.02 - EP KR US); **A61B 2090/031** (2016.02 - EP KR)

Citation (search report)

See references of WO 2022144266A1

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BA ME

Designated validation state (EPC)

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DOCDB simple family (application)

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