

Title (en)

MEDICAL WORKSPACE WITH A MAGNETIC RESONANCE DEVICE AND A MEDICAL ROBOT

Title (de)

MEDIZINISCHER ARBEITSPLATZ MIT EINEM MAGNETRESONANZGERÄT UND EINEM MEDIZINISCHEN ROBOTER

Title (fr)

POSTE DE TRAVAIL MÉDICAL POURVU D'UN APPAREIL DE RÉSONANCE MAGNÉTIQUE ET D'UN ROBOT MÉDICAL

Publication

EP 3429499 A1 20190123 (DE)

Application

EP 17706723 A 20170221

Priority

- DE 102016204271 A 20160315
- EP 2017053864 W 20170221

Abstract (en)

[origin: WO2017157621A1] The invention relates to medical workspace which comprises a magnetic resonance device (11) and a medical robot (1, 31). The medical robot (1, 31) comprises a robot arm (2) that has a plurality of limbs (4) that are arranged in succession and connected by way of hinges (3), and a fastening apparatus (5), which are respectively manufactured, at least in part, from a magnetic material. The medical robot (1, 31) comprises an electronic control apparatus (10), drives that are connected to the electronic control apparatus (10) and provided to move the robot arm (2), and a lengthening apparatus (6, 36) that is fastened to the fastening apparatus (5) at one of its ends and comprises a holding apparatus (7, 37) for fastening a medical instrument (8) at its other end. The lengthening apparatus (6, 36) is manufactured completely from a nonmagnetic material, at least in the regions outside of that end at which the lengthening apparatus (6, 36) is fastened to the fastening device (5) and the medical robot (1, 31) is configured to move the medical instrument (8) into a treatment region of the magnetic resonance device (11).

IPC 8 full level

A61B 5/055 (2006.01); **A61B 34/00** (2016.01); **A61B 34/10** (2016.01); **A61B 34/30** (2016.01); **A61B 34/32** (2016.01); **A61B 90/00** (2016.01); **A61B 90/50** (2016.01); **A61G 7/018** (2006.01)

CPC (source: EP)

A61B 5/055 (2013.01); **A61B 34/10** (2016.02); **A61B 34/30** (2016.02); **A61B 34/32** (2016.02); **A61B 34/70** (2016.02); **A61B 34/71** (2016.02); **A61B 90/50** (2016.02); **A61G 13/04** (2013.01); **A61G 13/06** (2013.01); **A61B 5/0033** (2013.01); **A61B 2090/374** (2016.02); **A61G 2203/10** (2013.01); **A61G 2210/50** (2013.01)

Citation (search report)

See references of WO 2017157621A1

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

DOCDB simple family (publication)

WO 2017157621 A1 20170921; DE 102016204271 A1 20170921; EP 3429499 A1 20190123

DOCDB simple family (application)

EP 2017053864 W 20170221; DE 102016204271 A 20160315; EP 17706723 A 20170221