Title (en)

METHOD OF CONTROLLING A JOINT OF AN ORTHOPAEDIC TECHNOLOGY DEVICE AND JOINT OF THIS KIND

Title (de)

VERFAHREN ZUM STEUERN EINES GELENKES EINER ORTHOPÄDIETECHNISCHEN EINRICHTUNG UND DERARTIGES GELENK

Title (fr)

PROCÉDÉ DE COMMANDE D'UNE ARTICULATION D'UN DISPOSITIF DE TECHNOLOGIE ORTHOPÉDIQUE ET D'UNE ARTICULATION DE CE TYPE

Publication

EP 4267044 A1 20231101 (DE)

Application

EP 21835331 A 20211217

Priority

- DE 102020134703 A 20201222
- EP 2021086619 W 20211217

Abstract (en)

[origin: WO2022136184A1] The invention relates to a method for controlling a joint (2, 28) in an orthopaedic device which comprises a first part (8), a second part (4), which is arranged to pivot on the first part (8) about a pivot axis (12), an active actuator (42), a self-inhibiting transmission (16, 50) and an electric control system for controlling the actuator (42), wherein in the method the electric control system controls the actuator (42) in such a manner that the second part (4) moves in accordance with forces which act thereon from the outside.

IPC 8 full level

A61F 2/50 (2006.01); **A61F 2/54** (2006.01); **A61F 2/64** (2006.01); **A61F 2/66** (2006.01); **A61F 2/68** (2006.01); **A61F 2/70** (2006.01)

CPC (source: EP US)

A61F 2/64 (2013.01 - EP US); **A61F 2/6607** (2013.01 - EP US); **A61F 2/70** (2013.01 - EP US); A61F 2002/5016 (2013.01 - EP); A61F 2002/5018 (2013.01 - EP); A61F 2002/5043 (2013.01 - EP); A61F 2002/607 (2013.01 - US); A61F 2002/608 (2013.01 - US); A61F 2002/6614 (2013.01 - US); A61F 2002/6854 (2013.01 - EP US); A61F 2002/704 (2013.01 - EP); A61F 2002/7635 (2013.01 - US)

Citation (search report)

See references of WO 2022136184A1

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 2022136184 A1 20220630; CN 116634970 A 20230822; DE 102020134703 A1 20220623; EP 4267044 A1 20231101; US 2024033108 A1 20240201

DOCDB simple family (application)

EP 2021086619 W 20211217; CN 202180085848 A 20211217; DE 102020134703 A 20201222; EP 21835331 A 20211217; US 202118258399 A 20211217