

Title (en)
SMART DRILL MACHINE WITH DATA MONITORING/SMART MEDICAL ELECTRIC DRIVE INSTRUMENT WITH DATA MONITORING

Title (de)
SMARTE BOHRMASCHINE MIT DATENMONITORING/SMARTES MEDIZINISCHES ELEKTRO-ANSTRIEBSINSTRUMENT MIT DATENMONITORING

Title (fr)
PERCEUSE INTELLIGENTE AVEC SURVEILLANCE DE DONNÉES/INSTRUMENT D'ENTRAÎNEMENT ÉLECTRIQUE MÉDICAL INTELLIGENT AVEC SURVEILLANCE DE DONNÉES

Publication
EP 4128473 A1 20230208 (DE)

Application
EP 21716723 A 20210401

Priority
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• EP 2021058724 W 20210401

Abstract (en)
[origin: WO2021198473A1] The invention relates to a battery device (1) for a medical instrument (2) for supplying electric energy to instrument-internal electric equipment, preferably an electric motor, having: an electronic controller (5) which is integrally formed with the battery for actuating the entire instrument-internal electric equipment, preferably on the basis of actuation signals from an operator; a plurality of functions including the corresponding sensor system; and an integrated intelligence at least consisting of a protection circuit (4), a motor controller, and a wireless communication interface (6).

IPC 8 full level
H02J 7/00 (2006.01); **A61B 17/00** (2006.01); **B25F 5/00** (2006.01); **H01M 50/543** (2006.01)

CPC (source: EP US)
A61B 17/1628 (2013.01 - EP US); **B25F 5/00** (2013.01 - EP); **G01R 31/392** (2018.12 - US); **H01M 10/4257** (2013.01 - EP US); **H01M 10/44** (2013.01 - EP); **H01M 10/48** (2013.01 - EP); **H01M 10/486** (2013.01 - EP US); **H01M 50/213** (2021.01 - EP); **H01M 50/247** (2021.01 - EP); **H01M 50/264** (2021.01 - EP); **H01M 50/271** (2021.01 - EP); **H01M 50/284** (2021.01 - EP); **H01M 50/291** (2021.01 - EP); **H01M 50/296** (2021.01 - EP); **H02J 7/0045** (2013.01 - US); **H02J 7/0063** (2013.01 - EP); **A61B 17/1626** (2013.01 - EP); **A61B 2017/00017** (2013.01 - EP); **A61B 2017/00221** (2013.01 - EP US); **A61B 2017/00734** (2013.01 - EP); **H01M 2010/4271** (2013.01 - US); **H01M 2010/4278** (2013.01 - EP US); **H01M 2220/30** (2013.01 - EP); **H02J 2310/23** (2020.01 - EP); **Y02E 60/10** (2013.01 - EP)

Citation (search report)
See references of WO 2021198473A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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DOCDB simple family (application)
DE 102020109069 A 20200401; BR 112022019626 A 20210401; CN 202180025046 A 20210401; EP 2021058724 W 20210401; EP 21716723 A 20210401; JP 2022559740 A 20210401; US 202117915849 A 20210401