

Title (en)
DRILLING APPARATUS

Title (de)
BOHRGERÄT

Title (fr)
APPAREIL DE FORAGE

Publication
EP 3807489 A1 20210421 (DE)

Application
EP 19735276 A 20190627

Priority
• DE 202018103881 U 20180706
• DE 202018104624 U 20180810
• EP 2019067218 W 20190627

Abstract (en)
[origin: WO2020007716A1] The present invention relates to a drilling apparatus, in particular in the form of a kelly drilling rig, comprising a drilling tool holder for holding a drill rod, in particular a kelly bar, which can be rotatably driven by a rotary drive via a gearbox, wherein the gearbox comprises a gearbox housing with multiple gearbox elements rotatably mounted therein. According to the invention, at least one plastically deformable shock absorber element for absorbing shocks is provided on at least one of the gearbox elements in the gearbox housing.

IPC 8 full level
E21B 4/00 (2006.01)

CPC (source: EP US)
E02D 5/34 (2013.01 - EP); **E21B 3/022** (2020.05 - EP US); **E21B 7/027** (2013.01 - EP); **E21B 17/07** (2013.01 - EP US)

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)
DE 202018104624 U1 20191008; CN 112534114 A 20210319; EP 3807489 A1 20210421; US 11674357 B2 20230613;
US 2021324686 A1 20211021; WO 2020007716 A1 20200109

DOCDB simple family (application)
DE 202018104624 U 20180810; CN 201980044882 A 20190627; EP 19735276 A 20190627; EP 2019067218 W 20190627;
US 201917258108 A 20190627