

Title (en)
SCREWING DEVICE WITH INTEGRATED SENSING MEANS

Title (de)
SCHRAUBVORRICHTUNG MIT INTEGRIERTEN ERFASSUNGSMITTELN

Title (fr)
DISPOSITIF DE VISSAGE POURVU DE MOYEN DE DÉTECTION INTÉGRÉ

Publication
EP 3771519 B1 20230315 (DE)

Application
EP 19189731 A 20190802

Priority
EP 19189731 A 20190802

Abstract (en)
[origin: WO2021023422A1] The invention relates to a screw device (10) for applying a torque to a screw partner (20), comprising flat output means (1) which have an output (1b) that can be detachably connected to the screw partner (20) and a drive (1a), to which a drive torque can be manually or mechanically applied, particularly by means of an interposed angular and/or bevel gear (31), and detection means (5) for providing measurement values for determining and/or monitoring an output torque acting on the screw partner on the output side, wherein the detection means (5) provided in a housing (30) of the flat output means (1) are designed such that they can detect a radial force and/or a tangential force acting on a preferably straight-toothed gearwheel (4d), which connects the drive and the output of the flat output means (1) in a torque-transmitting manner, and provide same for the preferably electronic signal evaluation.

IPC 8 full level
B25B 13/48 (2006.01); **B25B 17/00** (2006.01); **B25B 23/142** (2006.01)

CPC (source: CN EP KR US)
B25B 13/48 (2013.01 - CN); **B25B 13/481** (2013.01 - EP KR US); **B25B 17/00** (2013.01 - CN EP KR); **B25B 17/02** (2013.01 - US); **B25B 23/1425** (2013.01 - CN EP KR 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

DOCDB simple family (publication)
EP 3771519 A1 20210203; EP 3771519 B1 20230315; CN 114375242 A 20220419; EP 4197696 A1 20230621; ES 2943491 T3 20230613; JP 2022543791 A 20221014; KR 20220042383 A 20220405; US 2022274232 A1 20220901; WO 2021023422 A1 20210211

DOCDB simple family (application)
EP 19189731 A 20190802; CN 202080061955 A 20200618; EP 2020066949 W 20200618; EP 23154666 A 20190802; ES 19189731 T 20190802; JP 2022506605 A 20200618; KR 20227005602 A 20200618; US 202017631671 A 20200618