

Title (en)
INSTALLATION TOOL FOR A WIRE THREAD INSERT

Title (de)
EINBAUWERKZEUG FÜR EINEN DRAHTGEWINDEEINSATZ

Title (fr)
OUTIL DE MONTAGE D'UN INSERT FILETÉ EN FIL MÉTALLIQUE

Publication
EP 3717178 A1 20201007 (DE)

Application
EP 18827108 A 20181221

Priority
• DE 102018100832 A 20180116
• EP 2018086579 W 20181221

Abstract (en)
[origin: WO2019141497A1] The installation tool for a wire thread insert has the following features: a drive unit which provides a rotational movement that can be switched between a first and a second direction, a spindle body with a drive section for rotating the spindle body and with a thread section onto which the wire thread insert can be spun, an installation blade, and a torque coupling that consists of a coupling upper part and a coupling lower part which engage into one another in a formfitting and force-fitting manner and the coupling upper part of which is rotationally fixed to the drive unit and the coupling lower part of which is rotationally fixed to the spindle body, whereas in the event of an uncoupled relative rotation between the coupling upper part and the coupling lower part, said relative rotation being triggered by a threshold torque between the coupling upper part and the coupling lower part being exceeded, a relative movement between the spindle body and the installation blade can be generated.

IPC 8 full level
B25B 23/142 (2006.01); **B25B 23/14** (2006.01); **B25B 27/14** (2006.01)

CPC (source: EP KR US)
B25B 23/141 (2013.01 - EP US); **B25B 23/1427** (2013.01 - EP KR US); **B25B 27/143** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2019141497A1

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 2019141497 A1 20190725; CN 111655431 A 20200911; CN 111655431 B 20220607; DE 102018100832 A1 20190919; EP 3717178 A1 20201007; EP 3717178 B1 20221214; ES 2938862 T3 20230417; HU E061309 T2 20230628; KR 102424657 B1 20220722; KR 20200100842 A 20200826; PL 3717178 T3 20230417; US 11648651 B2 20230516; US 2021060746 A1 20210304

DOCDB simple family (application)
EP 2018086579 W 20181221; CN 201880086842 A 20181221; DE 102018100832 A 20180116; EP 18827108 A 20181221; ES 18827108 T 20181221; HU E18827108 A 20181221; KR 20207022382 A 20181221; PL 18827108 T 20181221; US 201816962390 A 20181221