

Title (en)
THREADED INSERT FOR SECURING A TOOL IN A TOOL RECEIVING AREA, AND TOOL RECEIVING AREA COMPRISING SUCH A THREADED INSERT

Title (de)
GEWINDEEINSATZ ZUR BEFESTIGUNG EINES WERKZEUGS IN EINER WERKZEUGAUFNAHME UND WERKZEUGAUFNAHME MIT EINEM DERARTIGEN GEWINDEEINSATZ

Title (fr)
INSERT FILETÉ PERMETTANT DE FIXER UN OUTIL DANS UN LOGEMENT D'OUTIL ET LOGEMENT D'OUTIL DOTÉ D'UN TEL INSERT FILETÉ

Publication
EP 3681659 A1 20200722 (DE)

Application
EP 18773359 A 20180911

Priority
• DE 102017121363 A 20170914
• EP 2018074389 W 20180911

Abstract (en)
[origin: WO2019052982A1] The invention relates to a threaded insert (3) for securing a tool provided with a securing thread in a tool receiving area (1). The threaded insert (3) contains a receiving opening (16) with an inner thread (17) for screwing in the tool at the front end face (20). According to the invention, the threaded insert (3) has a plug-in region (13) which tapers towards the rear end face (26) and which comprises an outer support surface (14), and at least one depression (25) for receiving an adhesive is arranged on the outer contact surface (14). The invention additionally relates to a receiving element for such a threaded insert and to a tool receiving area comprising such a threaded insert and a corresponding receiving element.

IPC 8 full level
B23B 31/11 (2006.01)

CPC (source: EP KR US)
B23B 31/11 (2013.01 - EP US); **B23B 31/1122** (2013.01 - KR); **B23B 31/113** (2013.01 - US); **B23B 2231/24** (2013.01 - EP KR US); **B23B 2240/21** (2013.01 - EP KR US); **B23B 2250/16** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2019052982A1

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 102017121363 A1 20190314; CN 111093869 A 20200501; EP 3681659 A1 20200722; JP 2020533184 A 20201119; JP 7280867 B2 20230524; KR 102546330 B1 20230620; KR 20200054234 A 20200519; US 11358228 B2 20220614; US 2020276651 A1 20200903; WO 2019052982 A1 20190321

DOCDB simple family (application)
DE 102017121363 A 20170914; CN 201880059011 A 20180911; EP 18773359 A 20180911; EP 2018074389 W 20180911; JP 2020511742 A 20180911; KR 20207010073 A 20180911; US 201816646044 A 20180911