Title (en)
MULTI-GRIP SOCKET BIT

Title (de)
MULTIGRIP-INBUSAUFSATZ

Title (fr)
MÈCHE À DOUILLE À POINTS DE SAISIE MULTIPLES

Publication
EP 3571016 B1 20210811 (EN)

Application
EP 17902204 A 20170719

Priority
- US 201762475757 P 20170323
- US 201715650768 A 20170714
- IB 2017054379 W 20170719

Abstract (en)
[origin: WO2018172831A1] A screw bit body which allows for efficient torque force application onto a socket fastener. The screw bit body includes a plurality of laterally-bracing sidewalls, a first base, and a second base. The laterally-bracing sidewalls are radially distributed about a rotation axis of the screw bit body with each further including a first lateral edge, a second lateral edge, a bracing surface, and an engagement cavity. The engagement cavity creates an additional gripping point to prevent slippage in between the screw bit body and the socket fastener. The engagement cavity traverses normal and into the bracing surface. Additionally, the engagement cavity traverses into the screw bit body from the first base to the second base. The engagement cavity is specifically positioned offset from the first lateral edge by a first distance and positioned offset from the second lateral edge by a second distance.

IPC 8 full level
B25B 13/06 (2006.01); **B25B 15/00** (2006.01); **B25B 23/10** (2006.01); **B25B 27/18** (2006.01)

CPC (source: CN EP)
B25B 13/06 (2013.01 - CN); **B25B 15/00** (2013.01 - CN); **B25B 15/008** (2013.01 - EP); **B25B 23/00** (2013.01 - CN); **B25B 23/108** (2013.01 - EP); **B25B 27/18** (2013.01 - EP)

Citation (examination)
- US 2016339564 A1 20161124 - CHEN TUO-JEN [TW]
- CA 2898480 A1 20170127 - FORAN ANDREW JOHN [CA]
- US 2012060656 A1 20120315 - CHANG WEN-LUNG [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)
WO 2018172831 A1 20180927; AU 2017404582 B2 20190912; CA 3056534 A1 20180927; CA 3056534 C 20221018; CN 110573302 A 20191213; CN 110573302 B 20211001; CN 113770963 A 20211210; CN 113770963 B 20230616; EP 3571016 A1 20191127; EP 3571016 A4 20200311; EP 3571016 B1 20210811; EP 3895844 A1 20211020; ES 2895766 T3 20220222; JP 2020128007 A 20200827; JP 2020508887 A 20200326; JP 6714262 B2 20200624; MX 2019010944 A 20191216; PL 3571016 T3 20220221; RS 62493 B1 20211130

DOCDB simple family (application)
IB 2017054379 W 20170719; AU 2017404582 A 20170719; CA 3056534 A 20170719; CN 201780088883 A 20170719; CN 202111069883 A 20170719; EP 17902204 A 20170719; EP 21178258 A 20170719; ES 17902204 T 20170719; JP 2019544922 A 20170719; JP 2020088046 A 20200520; MX 2019010944 A 20170719; PL 17902204 T 20170719; RS P20211324 A 20170719