

Title (en)

POWER TOOL FOR SETTING FASTENERS

Title (de)

KRAFTBETRIEBENES WERKZEUG ZUM SETZEN VON BEFESTIGUNGSELEMENTEN

Title (fr)

OUTIL ÉLECTRIQUE POUR POSER DES ÉLÉMENTS DE FIXATION

Publication

EP 4230326 A1 20230823 (EN)

Application

EP 23151315 A 20230112

Priority

- GB 202202371 A 20220222
- GB 202213921 A 20220923

Abstract (en)

A power tool comprising: a motor at least partially located within the handle of the tool and having a motor output shaft extending along a first axis extending along the length of the handle; and a fastener gripping portion operatively coupled to the motor via a transmission which in use causes movement of the fastener gripping portion along a second axis, perpendicular to the first axis, between a home position and a retracted position to set a fastener engaged by the fastener gripping portion; the transmission comprising a bevel gear arrangement for redirecting torque flowing along the first axis in use which is input to the bevel gear arrangement so that torque output from the bevel gear arrangement flows along the second axis and wherein the transmission further comprises a mechanism for converting torque output from the bevel gear arrangement in use into a linear force for causing linear movement of the fastener gripping portion.

IPC 8 full level

B21J 15/04 (2006.01); **B21J 15/10** (2006.01); **B21J 15/26** (2006.01)

CPC (source: EP US)

B21J 15/043 (2013.01 - EP); **B21J 15/105** (2013.01 - EP US); **B21J 15/26** (2013.01 - EP US)

Citation (applicant)

EP 3530372 A1 20190828 - MAKITA CORP [JP]

Citation (search report)

- [A] US 2019247913 A1 20190815 - LIAN YI FENG [CN], et al
- [A] US 2019351477 A1 20191121 - YABUGUCHI MICHISADA [JP], et al
- [A] JP 2021041417 A 20210318 - MAKITA CORP
- [A] US 2019283111 A1 20190919 - KAWAI YUKI [JP], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 23151315 A 20230112; US 202318153043 A 20230111; US 202318467999 A 20230915