

Title (en)

A battery powered crimping tool

Title (de)

Batteriebetriebenes Crimpwerkzeug

Title (fr)

Outil de sertissage alimenté par batterie

Publication

EP 2786843 A2 20141008 (EN)

Application

EP 14163263 A 20140402

Priority

- EP 13290076 A 20130402
- EP 14163263 A 20140402

Abstract (en)

A crimping tool for a rivet nut or an earth bond, comprising: a housing (34) adapted to receive an electrical battery; an electrical motor (101); a support (109,130) for supporting movement of a traction rod (121) in relation to the housing; a first mechanical drive train (104,105,106,106a,1071) drivable by the motor to cause rotation of a traction rod (121) about a longitudinal axis X-X in a screwing direction or an unscrewing direction; a second drive train (102,103,108,109,110,111,111a,111b,112,113,116,118,140) comprising a hydraulic pump (111,111a,111b,112,118) fluidly coupled to a piston chamber (140) containing a traction piston (113) wherein the traction piston is movable from an initial position in the piston chamber by way of fluid pressure from the pump to cause axial displacement of a traction rod towards the housing and wherein the pump of the second drive train is drivable by the motor to deliver fluid pressure to the piston chamber.

IPC 8 full level

B25B 27/00 (2006.01)

CPC (source: EP)

B25B 27/0014 (2013.01)

Citation (applicant)

- EP 1376766 A1 20040102 - DUBUIS ET CIE M [FR]
- US 5605070 A 19970225 - WILLE LOTHAR [DE]
- US 2011271504 A1 20111110 - PRETI GIUSEPPE [IT]
- EP 2626608 A1 20130814 - DUBUIS ET CIE S A S [FR]

Cited by

EP4008482A1; EP3165333A1; EP3025807A1; CN105643258A; EP3167973A1; DE102015119571A1; CN112453308A; CN112958743A; IT202100010556A1; US9833832B2; US10415607B2; US10400798B2; US10058910B2; US11673243B2; WO2022229801A1; TWI805277B; US11511403B2

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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