

Title (en)

DEVICE ON HAND MACHINE TOOLS FOR ROTARY TOOL DRIVE

Title (de)

EINRICHTUNG AN HANDWERKZEUGMASCHINEN ZUR DREHMITNAHME VON WERKZEUGEN

Title (fr)

DISPOSITIF D'ENTRAINEMENT EN ROTATION D'OUTILS POUR MACHINES-OUTILS MANUELLES

Publication

EP 0739266 B1 19991006 (DE)

Application

EP 95903257 A 19941224

Priority

- DE 9401534 W 19941224
- DE 4400969 A 19940114

Abstract (en)

[origin: US5868209A] PCT No. PCT/DE94/01534 Sec. 371 Date Jul. 1, 1996 Sec. 102(e) Date Jul. 1, 1996 PCT Filed Dec. 24, 1994 PCT Pub. No. WO95/19243 PCT Pub. Date Jul. 20, 1995A device on hand-held tool-driving machines for the coupling of pounding and/or drilling tools is proposed, comprising at least three couplings and one axial locking feature, which are uniformly distributed over the circumference of the tool shank (11) and seating hole (13) of a tool holder (10). The couplings comprise recesses (17, 19, 21) on the tool shank (11) running axially to the shank end and also projections (18, 20, 22) on the circumference of the seating hole (13) running axially and engaging with the recesses. In order to avoid thrust-like overloads, it is proposed that the coupling (21, 22) in the circumferential area opposite the axial locking feature be designed/shaped such that its recess (21) and projection (22) on at least one longitudinal side run in chord-shaped fashion to the circumference of the tool shank (10) or the seating hole (13) of the tool holder (10) (FIG. 1).

IPC 1-7

B25D 17/08

IPC 8 full level

B23B 45/16 (2006.01); **B25D 17/08** (2006.01)

CPC (source: EP US)

B25D 17/088 (2013.01 - EP US); **B25D 2217/0003** (2013.01 - EP US); **B25D 2217/0038** (2013.01 - EP US); **B25D 2217/0049** (2013.01 - EP US); **Y10T 279/17068** (2015.01 - EP US); **Y10T 279/17752** (2015.01 - EP US); **Y10T 408/907** (2015.01 - EP US)

Cited by

CN107225273A

Designated contracting state (EPC)

AT CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

US 5868209 A 19990209; AT E185307 T1 19991015; AU 1218795 A 19950801; AU 677490 B2 19970424; BR 9408484 A 19970826; CA 2181181 A1 19950720; CA 2181181 C 20001003; CN 1069569 C 20010815; CN 1141607 A 19970129; CZ 200796 A3 19970212; CZ 287627 B6 20010117; DE 4400969 A1 19950720; DE 59408808 D1 19991111; DK 0739266 T3 20000403; EP 0739266 A1 19961030; EP 0739266 B1 19991006; ES 2138184 T3 20000101; FI 107318 B 20010713; FI 962842 A0 19960712; FI 962842 A 19960712; JP H09507437 A 19970729; KR 100402191 B1 20040326; RU 2141395 C1 19991120; SK 283414 B6 20030701; SK 89896 A3 19970910; TW 252067 B 19950721; WO 9519243 A1 19950720; ZA 95274 B 19950921

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