

Title (en)

Device for hand tools for driving tools.

Title (de)

Einrichtung an Handwerkzeugmaschinen zur Drehmitnahme von Werkzeugen.

Title (fr)

Dispositif pour des outils à main pour l'entraînement des outils.

Publication

EP 0655299 A3 19950906 (DE)

Application

EP 94117161 A 19941031

Priority

DE 4340728 A 19931130

Abstract (en)

[origin: DE4340728C1] A device on powered hand tools for the rotary driving of percussive and/or drilling tools is proposed, there being at least two rotary driving grooves (23) open towards the shank end on the tool shank (11) and at least one locking hollow (25) closed towards the shank end, in which a rotary driver (24) and a radially displaceable locking body (19) of the tool holder engage in each case. To strengthen the rotary driver, provision is made for the locking hollows (25) in the tool shank (11) to be deeper in the front area than in the rear area so that, in the working position of the tool (12), the locking body (19), allocated to it, of the tool holder (16) engages deeper in the front area of the locking hollows than in the idling position in the rear area (Fig. 1). <IMAGE>

IPC 1-7

B25D 17/08

IPC 8 full level

B23B 31/107 (2006.01); **B23B 31/22** (2006.01); **B23B 51/00** (2006.01); **B25D 17/08** (2006.01)

CPC (source: EP US)

B25D 17/088 (2013.01 - EP US); **B25D 2217/0034** (2013.01 - EP US); **B25D 2217/0038** (2013.01 - EP US); **B25D 2222/57** (2013.01 - EP US); **B25D 2250/221** (2013.01 - EP US); **Y10T 279/17085** (2015.01 - EP US); **Y10T 279/17811** (2015.01 - EP US); **Y10T 408/907** (2015.01 - EP US)

Citation (search report)

- [AD] DE 2551125 A1 19770526 - BOSCH GMBH ROBERT
- [A] EP 0272209 A2 19880622 - HILTI AG [LI]

Designated contracting state (EPC)

CH DE DK FR LI NL

DOCDB simple family (publication)

DE 4340728 C1 19950126; CN 1046879 C 19991201; CN 1107768 A 19950906; DE 59408169 D1 19990602; DK 0655299 T3 19991108; EP 0655299 A2 19950531; EP 0655299 A3 19950906; EP 0655299 B1 19990428; JP H07185913 A 19950725; US 5558478 A 19960924

DOCDB simple family (application)

DE 4340728 A 19931130; CN 94118967 A 19941129; DE 59408169 T 19941031; DK 94117161 T 19941031; EP 94117161 A 19941031; JP 28691694 A 19941121; US 33134494 A 19941027