

Title (en)

TOOL HOLDER FOR INSERTED TOOLS IN DRILLING AND/OR HAMMERING MACHINES

Title (de)

WERKZEUGHALTER FÜR EINSATZWERKZEUGE AN MASCHINEN MIT BOHR- UND/ODER SCHLAGBETRIEB

Title (fr)

PORTE-OUTIL POUR OUTILS D'INSERTION SUR MACHINES TRAVAILLANT PAR PERFORATION ET/OU PERCUSSION

Publication

EP 0880426 B1 20011114 (DE)

Application

EP 97914114 A 19970203

Priority

- DE 9700203 W 19970203
- DE 19604282 A 19960207

Abstract (en)

[origin: US6092814A] PCT No. PCT/DE97/00203 Sec. 371 Date Jul. 22, 1998 Sec. 102(e) Date Jul. 22, 1998 PCT Filed Feb. 3, 1997 PCT Pub. No. WO97/28930 PCT Pub. Date Aug. 14, 1997A tool holder (10) is proposed for tools inserted into machines for drilling and/or percussion operation having means for rotational driving and axial locking of a tool shank which can be inserted into a tool receptacle (11) of the respective machine, wherein a plurality of axial strips (13) which project inward radially are provided for rotational driving and at least one radially lockable locking body is provided at the tool holder (10) for locking. In order to accommodate tool shanks of two grooved shank systems with different outer diameters, two axial strips (13) which are located opposite from one another and are directed inward radially are arranged at the receptacle bore (12). The axial strips (13) are guided such that they can be released outward radially, particularly in a springing manner, wherein the axial strips (13) engage in corresponding grooves (20) of the respective inserted tool shank (19) for rotational driving.

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 2217/0034** (2013.01 - EP US); **B25D 2217/0038** (2013.01 - EP US); **B25D 2217/0042** (2013.01 - EP US); **Y10S 279/905** (2013.01 - EP US); **Y10T 279/17008** (2015.01 - EP US); **Y10T 279/17076** (2015.01 - EP US); **Y10T 279/17145** (2015.01 - EP US); **Y10T 279/17162** (2015.01 - EP US); **Y10T 279/17717** (2015.01 - EP US); **Y10T 279/17752** (2015.01 - EP US)

Cited by

DE102004011579B4

Designated contracting state (EPC)

AT CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

US 6092814 A 20000725; AT E208689 T1 20011115; CN 1067000 C 20010613; CN 1210484 A 19990310; DE 19604282 A1 19970814; DE 59705389 D1 20011220; DK 0880426 T3 20020204; EP 0880426 A1 19981202; EP 0880426 B1 20011114; ES 2168622 T3 20020616; JP 2000504634 A 20000418; KR 100486399 B1 20050728; KR 19990082325 A 19991125; TW 323973 B 19980101; WO 9728930 A1 19970814

DOCDB simple family (application)

US 11710898 A 19980722; AT 97914114 T 19970203; CN 97192100 A 19970203; DE 19604282 A 19960207; DE 59705389 T 19970203; DE 9700203 W 19970203; DK 97914114 T 19970203; EP 97914114 A 19970203; ES 97914114 T 19970203; JP 52804197 A 19970203; KR 19980706055 A 19980806; TW 86100599 A 19970121