

Title (en)

Tool and tool chuck for hand tools.

Title (de)

Werkzeug und Werkzeugaufnahme für Handwerkzeuggeräte.

Title (fr)

Outil et mandrin pour des outil à main.

Publication

EP 0657253 A3 19950906 (DE)

Application

EP 94810647 A 19941110

Priority

DE 4341970 A 19931209

Abstract (en)

[origin: EP0657253A2] The tool for a tool chuck (tool-holding fixture) of hand tools used for chiselling and/or percussive drilling has a clamping shank (1). The clamping shank (1) is provided with two diametrically opposite rotational-driving slots (2) open axially towards its free end. For axial locking of the tool, the clamping shank (1) furthermore has an axially closed locking slot (3). To obtain higher surface proportions of driving-side flanks, which are essential for the transmission of the torque, the clamping shank (1) furthermore has a longitudinal slot (4) and a further longitudinal slot (5). The further longitudinal slot (4) passes through the locking slot (3) in such a way that a shoulder face (3a) is formed. The further longitudinal slot (5) lies diametrically opposite the locking slot (3) and may have a greater clear cross-section as compared with the rotational-driving slots (2).
<IMAGE>

IPC 1-7

B25D 17/08

IPC 8 full level

B23B 31/02 (2006.01); **B23B 31/107** (2006.01); **B23B 31/22** (2006.01); **B23B 45/16** (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); **Y10T 279/17042** (2015.01 - EP US); **Y10T 408/907** (2015.01 - EP US); **Y10T 408/953** (2015.01 - EP US)

Citation (search report)

- [XP] DE 9314416 U1 19931209 - PLICA WERKZEUGFABRIK AG MOLLIS [CH]
- [XP] EP 0579579 A1 19940119 - HILTI AG [LI]
- [A] EP 0548008 A1 19930623 - HILTI AG [LI]
- [A] EP 0551795 A1 19930721 - HILTI AG [LI]
- [A] EP 0355071 A1 19900221 - PROSPECTION & INVENTIONS [FR]
- [A] EP 0171358 A2 19860212 - HILTI AG [LI]

Designated contracting state (EPC)

CH DE DK FR GB IT LI

DOCDB simple family (publication)

EP 0657253 A2 19950614; **EP 0657253 A3 19950906**; CN 1070756 C 20010912; CN 1112869 A 19951206; DE 4341970 A1 19950614; HU 216589 B 19990728; HU T69912 A 19950928; JP H07185916 A 19950725; US 5529444 A 19960625

DOCDB simple family (application)

EP 94810647 A 19941110; CN 94112916 A 19941208; DE 4341970 A 19931209; HU 9403508 A 19941207; JP 30643894 A 19941209; US 35357594 A 19941209