

Title (en)

Tool and tool holding fixture for implements

Title (de)

Werkzeug und Werkzeugaufnahme für Handwerkzeuggeräte

Title (fr)

Outil et raccordement d'outil pour des outillages à main

Publication

EP 0666147 B1 19990825 (DE)

Application

EP 94810732 A 19941216

Priority

DE 4403303 A 19940203

Abstract (en)

[origin: EP0666147A1] The tool has a clamping shaft (1) with at least one axially closed locking groove (4), at least one longitudinal groove (5) diametrically opposed to the free end of the clamping shaft and open, and two diametrically opposed rotary driver grooves (2,3) open to the free end of the clamping shaft, which have differing cross-sections with differently sized, radially outwardly directed opening surfaces. The axial projection surface of the internal cross-section of the longitudinal groove (5) corresponds to the axial projection surface of the internal cross-section of the locking groove (4). The longitudinal groove in relation to the symmetry axis of the rotary driver groove is formed axially symmetrically to the locking groove.

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 51/00** (2006.01); **B25D 17/08** (2006.01); **B28D 1/14** (2006.01); **B28D 1/26** (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)

Designated contracting state (EPC)

CH DE DK FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0666147 A1 19950809; **EP 0666147 B1 19990825**; CN 1112865 A 19951206; DE 4403303 A1 19950810; DE 59408658 D1 19990930; DK 0666147 T3 20000207; FI 950414 A0 19950131; FI 950414 A 19950804; HU 216379 B 19990628; HU 9500315 D0 19950328; HU T69578 A 19950928; JP H07223174 A 19950822; US 5529445 A 19960625

DOCDB simple family (application)

EP 94810732 A 19941216; CN 95101642 A 19950127; DE 4403303 A 19940203; DE 59408658 T 19941216; DK 94810732 T 19941216; FI 950414 A 19950131; HU 9500315 A 19950202; JP 1603195 A 19950202; US 38272695 A 19950202