

Title (en)

Tool holding device

Title (de)

Werkzeughaltevorrichtung

Title (fr)

Dispositif de manipulation d'outil

Publication

EP 2048323 A1 20090415 (EN)

Application

EP 07019962 A 20071011

Priority

EP 07019962 A 20071011

Abstract (en)

A tool holding device is disclosed, and the tool holding device includes a base (100), a block (200), and a fastening member (300) for securing the block. The base (100) includes a receiving portion (130) defined between a countering wall (120) and a shoulder wall (110), a surface (150) defined adjacent to the shoulder wall perpendicularly and away from the countering wall, a penetrated hole (170) defined on the countering wall, and a positioning hole (180) communicating with the penetrated hole. The block includes a holding portion (210) held in the receiving portion, a handle (220) received in the penetrated hole, and a holding hole (250) for holding a chisel. The countering wall and the shoulder wall define an angle less than or equal to 90 degrees. Therefore, the counterforce bearing of the base and block are both enhanced to raise the strength of the tool holding device.

IPC 8 full level

E21C 35/193 (2006.01)

CPC (source: EP)

E21C 35/191 (2020.05); **E21C 35/1933** (2013.01)

Citation (applicant)

- EP 1761682 A1 20070314 - WIRTGEN GMBH [DE]
- US 2006119165 A1 20060608 - HOLL BERND [DE], et al
- DE 202007000372 U1 20070524 - WAGENER CHRISTIAN [DE]

Citation (search report)

- [X] DE 202007000372 U1 20070524 - WAGENER CHRISTIAN [DE]
- [A] US 3544166 A 19701201 - PROCTOR SIDNEY E
- [A] GB 1188361 A 19700415 - CINCINNATI MINE MACHINERY CO [US]

Cited by

KR101288026B1; DE102010038016C5; GB2477195A; EP2612984A3; EP3012372A4; DE102010051048A1; CN103282172A; US9896932B2; US9068302B2; US8322795B2; US9212554B2; WO2012062455A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2048323 A1 20090415; EP 2048323 B1 20100728; AT E475778 T1 20100815; DE 602007008103 D1 20100909

DOCDB simple family (application)

EP 07019962 A 20071011; AT 07019962 T 20071011; DE 602007008103 T 20071011