Title (en)

Open end wrench capable of fast driving a workpiece

Title (de)

Gabelschlüssel geeignet zum schnellen Drehen eines Werkstücks

Title (fr)

Clé ouverte capable d'entraîner rapidement une pièce de travail

Publication

EP 2457691 A1 20120530 (EN)

Application

EP 11187374 A 20111101

Priority

- TW 100115290 A 20110429
- EP 10192704 A 20101126
- EP 11187374 A 20111101

Abstract (en)

An open end wrench (10) includes first and second jaws (23, 24). The first jaw (23) includes an arcuate sliding groove (27) having two support wall faces (272, 273) and an arcuate sliding wall face (271) between the support wall faces (272, 273). A slide (30) is slideably received in the sliding groove (27) and includes an arcuate sliding face (31) slideable along the sliding wall face (271). Two wings (37) respectively extend from top and bottom faces (301, 302) of the slide (30). Top and bottom extension faces (36) extend from a wrenching face (32) of the slide (30) and are located on inner faces (371) of the wings (37). A spacing (L) is formed between an outer face (372) of each wing (37) and one of the support wall faces (272, 273) to avoid friction, allowing smooth movement of the slide (30) between an driving position and a non-driving position.

IPC 8 full level

B25B 13/46 (2006.01)

CPC (source: EP)

B25B 13/46 (2013.01)

Citation (applicant)

- US 1320668 A 19191104
- US 3695125 A 19721003 - GLASS ROBERT I, et al
- US 4706528 A 19871117 - INOUE ISAO [JP]
- US 7024971 B2 20060411 - STANTON JOHN L [US]
- US 2009301271 A1 20091210 - TUAN-MU HSIEN-CHUNG [TW], et al
- US 2010071516 A1 20100325 - WU ARTHUR [TW]
- US 88124310 A 20100914

Citation (search report)

- [E] EP 2383075 A2 20111102 - HU BOBBY [CN]
- [Y] US 2010083797 A1 20100408 - LEE LI-JU [TW]
- [A] US 2010071516 A1 20100325 - WU ARTHUR [TW]
- [Y] GB 983789 A 19650217 - BRILES MFG
- [A] US 2797600 A 19570702 - BEAVER BUD K

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME BA ME

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