

Title (en)

Motor driven hand tool with a rapid clamping device

Title (de)

Werkzeuggerät mit Schnellspaneinrichtung

Title (fr)

Outil à main électrique avec dispositif d'accouplement rapide

Publication

EP 1790434 A1 20070530 (DE)

Application

EP 05025876 A 20051128

Priority

EP 05025876 A 20051128

Abstract (en)

The device has a quick clamping device (2), a hollow shaft (14) with a bolt (18) extending in the longitudinal direction of the shaft and a window-like opening (28), in which a clamp body (30) is arranged. A tool is clamped between clamping surfaces. The clamp body is attached against the bolt and against a spring-loaded inclined plane (34) so that the bolt is clamped by the clamp body as a result of the spring loading of the inclined plane and is held in the hollow shaft.

IPC 8 full level

B24B 23/02 (2006.01); **B24B 45/00** (2006.01)

CPC (source: EP)

B24B 23/022 (2013.01); **B24B 45/006** (2013.01)

Citation (applicant)

- DE 10039739 A1 20020228 - C & E FEIN GMBH & CO KG [DE]
- DE 4426969 A1 19960201 - BOSCH GMBH ROBERT [DE]
- EP 0231500 A2 19870812 - BOSCH GMBH ROBERT [DE]

Citation (search report)

- [DA] DE 10039739 A1 20020228 - C & E FEIN GMBH & CO KG [DE]
- [DA] DE 4426969 A1 19960201 - BOSCH GMBH ROBERT [DE]
- [A] US 5601483 A 19970211 - RUDOLF BORIS [DE], et al
- [A] US 5157873 A 19921027 - RUDOLF BORIS [DE], et al

Cited by

US2016221088A1; US10058926B2; US2016045998A1; US9764444B2; EP2371487A1; GB2486293A; CN102528768A; GB2486293B; US2020230776A1; US11865667B2; US11590593B2; US11045939B2; US11772171B2; US11364545B2; WO2012089642A3; WO2013065614A1; US11660690B2; US12017324B2; US2015042052A1; US9545699B2; CN109843486A; KR20190071709A; JP2019534798A; RU2748674C2; CN109862998A; KR20190071711A; JP2019533581A; RU2752491C2; US10144110B2; US11890720B2; WO2018072995A1; WO2018072997A1

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1790434 A1 20070530; EP 1790434 B1 20080319; AT E389510 T1 20080415; DE 502005003376 D1 20080430

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