

Title (en)

Hand machine tool with tool shaft locking device

Title (de)

Handwerkzeugmaschine mit Werkzeugwelleblockiereinrichtung

Title (fr)

Machine-outil à main à dispositif de blocage de l'arbre d'outil

Publication

**EP 1193036 A3 20031217 (DE)**

Application

**EP 01121598 A 20010911**

Priority

DE 10048675 A 20000930

Abstract (en)

[origin: EP1193036A2] Hand tool comprises a motor (5), an on/off switch connected to a switching device (8) for the motor, a shaft operated by the motor, a blocking device for blocking the shaft during tool exchange, and a securing device (42) which can be adjusted between a resting position and a tool exchanging position. A stopping device (41) is assigned to the blocking device and the switching device and can be adjusted so that in the resting position of the securing device the blocking device and the stopping device assume a releasing position and in the tool exchange position of the securing device the blocking device assumes its blocking position and the stopping device its stopping position. Preferred Features: The securing device rotates about a rotating axis (45) when it is being adjusted. The rotating axis runs parallel to the shaft. The securing device has an operating handle (46).

IPC 1-7

**B27B 5/38**; **B23Q 11/00**; **B27G 19/04**; **B27B 9/02**

IPC 8 full level

**B23Q 11/00** (2006.01); **B27B 5/38** (2006.01); **B27B 9/02** (2006.01); **B27G 19/04** (2006.01)

CPC (source: EP)

**B27B 5/38** (2013.01)

Citation (search report)

- [XAY] DE 4336620 A1 19950504 - FEIN C & E [DE]
- [XY] US 5094000 A 19920310 - BECHT REIMUND [DE], et al
- [Y] US 3224474 A 19651221 - LEONARD BLOOM
- [Y] DE 2942169 A1 19810430 - LICENTIA GMBH [DE]
- [A] DE 4130174 A1 19930325 - METABOWERKE KG [DE]

Cited by

WO2021116479A1; CN108568782A; EP1967310A1; US11772221B2; EP2062699A3; DE102019134412A1; DE102019134411A1; CN114786855A; US12083613B2; JP2007030314A; WO2022109381A1; US10792834B2; US11407142B2; WO2021116478A1; EP2062699A2; DE102019134412B4; US12083609B2

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