

Title (en)

Powered tool with improved locking flange.

Title (de)

Elektrowerkzeug mit verbesserter Rastscheibe.

Title (fr)

Outil à moteur avec bride de verrouillage perfectionnée.

Publication

**EP 0459697 B1 19940914 (EN)**

Application

**EP 91304641 A 19910521**

Priority

IT 2125490 U 19900525

Abstract (en)

[origin: EP0459697A1] A machine tool comprises a threaded end (10) projecting from a powered shaft (22) to fasten coaxially with the shaft a rotating tool (20) by tightening a ring nut (18). On the shaft (22) is mounted a collar (16) resting axially on a radial projection of the shaft with the interposition of a roller bearing (17) and the ring nut (18), screwed to the threaded end (10), clamps the tool (20) against the front surface of the collar (16). Between the ring nut (18) and the collar (16) are placed means (18,30) of mutual engagement and between the collar (16) and the shaft (22) are placed means (13) of unidirectional constraint upon rotation for free rotation of the collar (16) in the direction of tightening the ring nut (18) and for engagement between the shaft (22) and the collar (16) upon rotation of the latter in the direction of loosening of the ring nut (18). The means (13) can be deactivated by operation of a pushbutton (11). <IMAGE>

IPC 1-7

**B24B 45/00**

IPC 8 full level

**B24B 45/00** (2006.01)

CPC (source: EP)

**B24B 45/006** (2013.01)

Cited by

DE102014102705A1; DE102014102705B4; DE10205848A1; DE10205848C2; CN108472790A; JPWO2017110156A1; EP3385032A4; EP2915629A1; DE202014011279U1

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**EP 0459697 A1 19911204; EP 0459697 B1 19940914**; DE 69103960 D1 19941020; DE 69103960 T2 19950209; IT 219695 Z2 19930426; IT 9021254 U1 19911126; IT 9021254 V0 19900525

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