

Title (en)  
Manual tool machine

Title (de)  
Handwerkzeugmaschine

Title (fr)  
Machine-outil manuelle

Publication  
**EP 1923173 B1 20090527 (DE)**

Application  
**EP 07019116 A 20070928**

Priority  
DE 102006054265 A 20061117

Abstract (en)  
[origin: DE102006054265B3] The tool (10) has a tool spindle (12) driven using a motor (11) and arranged in an inner area of a hollow shaft (16). The spindle is rotatably supported with a tool spindle-bearing (22) at the shaft with an eccentric distance. The tool spindle-bearing is connected with an outer circumference of the shaft. A bearing retaining arrangement is arranged at the spindle. The arrangement radially protrudes before a longitudinal end of the shaft and holds the bearing outside. The shaft with a hollow shaft bearing (20) is swivelably supported with respect to a housing (21).

IPC 8 full level  
**B24B 23/03** (2006.01)

CPC (source: EP)  
**B24B 23/03** (2013.01)

Cited by  
CN117381614A; EP3693132A1; CN111546199A; KR20200098410A; US11969850B2; US11872665B2; US11670977B2; US11973374B2

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**DE 102006054265 B3 20080410**; DE 502007000772 D1 20090709; EP 1923173 A1 20080521; EP 1923173 B1 20090527

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