

Title (en)
MANUALLY OPERATED MACHINE-TOOL

Title (de)
HANDWERKZEUGMASCHINE

Title (fr)
MACHINE-OUTIL A COMMANDE MANUELLE

Publication
EP 0942802 A1 19990922 (DE)

Application
EP 97926899 A 19971006

Priority
• DE 9702282 W 19971006
• DE 19650365 A 19961205

Abstract (en)
[origin: DE19752810A1] The hand tool machine is for a disc tool. It has a casing (10) containing a working spindle (13) with the tool on its free end between a flange (19) forming a clamping device and a clamping nut (20) with lock (25) acting with a groove (28) of a grooved crown (27) on the flange. A hand lever (29) has locking cams (32) to engage the groove flanks (42, 44). There is a special threadless nut such as an SDS Click Nut (RTM) forming the clamping flange on the casing side. It has an internal hexagon for mounting on an external hexagon of the working spindle.

IPC 1-7
B24B 23/02; **B24B 45/00**; **B23Q 11/00**; **B27B 5/38**

IPC 8 full level
B23Q 11/00 (2006.01); **B24B 23/02** (2006.01); **B24B 45/00** (2006.01); **B25F 5/00** (2006.01); **B27B 5/38** (2006.01)

CPC (source: EP KR)
B24B 23/02 (2013.01 - KR); **B24B 23/022** (2013.01 - EP); **B24B 45/006** (2013.01 - EP); **B25F 5/001** (2013.01 - EP); **B27B 5/38** (2013.01 - EP)

Citation (search report)
See references of WO 9824589A1

Cited by
US10818450B2; US7343841B2; US7832319B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 19752810 A1 19980610; CN 1077481 C 20020109; CN 1239912 A 19991229; DE 59709119 D1 20030213; EP 0942802 A1 19990922; EP 0942802 B1 20030108; KR 20000057372 A 20000915; WO 9824589 A1 19980611

DOCDB simple family (application)
DE 19752810 A 19971128; CN 97180386 A 19971006; DE 59709119 T 19971006; DE 9702282 W 19971006; EP 97926899 A 19971006; KR 19997004910 A 19990603