

Title (en)  
Superfinishing machine

Title (de)  
Feinstbearbeitungsmaschine

Title (fr)  
Machine de micro-finition

Publication  
**EP 0781627 B1 20000322 (DE)**

Application  
**EP 95120683 A 19951228**

Priority  
EP 95120683 A 19951228

Abstract (en)  
[origin: EP0781627A1] The fine polishing machine prepares a fine surface externally or internally on cylindrical surfaces. A flexible support head (8) is shaped to fit the curvature of the workpiece and an abrasive tape (12) is passed between the head and the workpiece to polish the workpiece. The tape is moved in a reciprocating motion. The flexible support head is prepared by slitting both sides of the support. The slits on opposite sides of the support are offset to each other. The support head is held in a C-shaped grip (5) at the end of one support arm (3) while the workpiece (1) is held at the end of a second support arm (4).

IPC 1-7  
**B24B 5/42**; B24B 35/00

IPC 8 full level  
**B24B 5/42** (2006.01); **B24B 35/00** (2006.01)

CPC (source: EP)  
**B24B 5/42** (2013.01); **B24B 35/00** (2013.01)

Cited by  
EP2327510A1; DE102007051047A1; CN116587148A; EP1506839A1; DE10332605A1; DE10332605B4; US8408973B2; US8517804B2; DE202008018526U1; DE202008018607U1; DE102007051047B4

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
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**EP 95120683 A 19951228**; DE 59508072 T 19951228