

Title (en)  
Belt grinding machine

Title (de)  
Bandschleifmaschine

Title (fr)  
Meuleuse à bande abrasive

Publication  
**EP 0976495 B1 20030507 (DE)**

Application  
**EP 99114307 A 19990721**

Priority  
DE 19833881 A 19980728

Abstract (en)  
[origin: US6290570B1] A belt grinding machine has a grinding belt continuously guided about at least two deflection rollers 2, a pressure shoe 3 that presses the grinding belt 1 against a workpiece 8 by a contact pressure apparatus. The belt grinding machine also has a contact pressure control that allows a contact pressure force to be set. The uniformity and reproducibility of the grinding results are improved by a detector arrangement 6, 7 that senses the adjustment of the pressure shoe 3 and an evaluation device that influences the contact pressure control as a function of the sensed adjustment of the pressure shoe 3.

IPC 1-7  
**B24B 21/06**; **B24B 21/08**; **B24B 49/02**

IPC 8 full level  
**B24B 21/06** (2006.01); **B24B 21/08** (2006.01); **B24B 21/10** (2006.01); **B24B 49/02** (2006.01); **B24B 49/16** (2006.01)

CPC (source: EP US)  
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**US 6290570 B1 20010918**; AT E239585 T1 20030515; CA 2278912 A1 20000128; CA 2278912 C 20060912; CN 1173802 C 20041103; CN 1246401 A 20000308; DE 19833881 C1 19991021; DE 29910147 U1 19990812; DE 59905417 D1 20030612; DK 0976495 T3 20030721; EP 0976495 A1 20000202; EP 0976495 B1 20030507; ES 2196686 T3 20031216; JP 2000042892 A 20000215; JP 4949544 B2 20120613; PT 976495 E 20030930

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