

Title (en)

Method and apparatus for adjusting the band of a grinding machine

Title (de)

Verfahren zur Einstellung eines Schleifbandes einer Bandschleifmaschine und Bandschleifmaschine

Title (fr)

Procédé et appareil pour régler la bande d'une machine abrasive

Publication

EP 0723838 A1 19960731 (DE)

Application

EP 96101112 A 19960126

Priority

DE 19502290 A 19950126

Abstract (en)

The method involves detecting bending of the band (1) and moistening it or drying it locally depending on the detected curvature. If the band bends in one direction, it is dried, and if it bends in the opposite direction, it is moistened. The band can be dried directly using thermal radiation or by blowing heated air at it, or indirectly via a heated deflection roller. Alternatively, drying can be achieved by bringing the band into contact with a heated body for the periods necessary to achieve the required degree of drying. Bending is detected by a sensor (6) which generates a control signal for the drying (7) or moistening (8) device.

Abstract (de)

Zur Einstellung eines endlos umlaufenden Schleifbandes (1) einer Bandschleifmaschine wird die Wölbung des Schleifbandes (1) detektiert und in Abhängigkeit von der detektierten Wölbung das Schleifband (1) lokal befeuchtet oder getrocknet. <IMAGE>

IPC 1-7

B24B 21/18; **B24B 53/10**

IPC 8 full level

B24B 21/18 (2006.01); **B24B 53/10** (2006.01)

CPC (source: EP)

B24B 21/18 (2013.01); **B24B 53/10** (2013.01)

Citation (search report)

- [Y] DE 1962523 A1 19700806 - MURRAY WAY CORP
- [XY] PATENT ABSTRACTS OF JAPAN vol. 015, no. 431 (C - 0881) 5 November 1991 (1991-11-05)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 012, no. 057 (M - 670) 20 February 1988 (1988-02-20)

Cited by

CN101791782A; CN104816222A; CN112677004A; CN108015674A; CN115816243A

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