

Title (en)

Apparatus for reducing the roughness and the wear of multilayer belts

Title (de)

Vorrichtung zum Verringern der Rauigkeit und des Abriebs von Schichtbändern

Title (fr)

Appareil pour réduire la rugosité et l'usure de bandes multicouches

Publication

**EP 0852981 A1 19980715 (DE)**

Application

**EP 98100183 A 19980108**

Priority

DE 29700458 U 19970113

Abstract (en)

[origin: JPH10296519A] PROBLEM TO BE SOLVED: To accomplish reduction in roughness of a coating tape and in generation of chips by providing thread type grooves formed on the circumferential face in a polishing member in the circumferential face structure. SOLUTION: On a circumferential face 7 of a polishing cylinder 5, ring type coaxial grooves 8, or thread-type or thread-shapedly arranged coaxial grooves are arranged. In the cylinder 5 provided with a diameter of 2r, which is a dimension to the outer circumference including the tips of respective projections positioned between the respective grooves 8. The grooves 8 are formed on the cylinder circumference face 7 while the cylinder 5 is rotated. Because of contact friction with the polishing member, the surface of a coating tape is heated in an extremely thin layer range, and peaks on a rough face are melted and fluidized so as to fill in valleys on the rough face, so that the surface is greatly smoothed.

Abstract (de)

Eine Poliervorrichtung (5,5A) zum Verringern der Rauigkeit und des Abriebs von Schichtbändern besteht aus einem Zylinder mit koaxialen Riefen bzw. Nuten (8) verschiedener Form, die vorteilhaft gewindeähnlich sind. Es können zusätzlich axiale Nuten (8) vorgesehen sein. <IMAGE>

IPC 1-7

**B23D 71/00**

IPC 8 full level

**B23C 3/13** (2006.01); **B23D 71/00** (2006.01); **B24B 19/22** (2006.01); **B24D 13/02** (2006.01); **G11B 5/84** (2006.01)

CPC (source: EP KR US)

**B24B 19/22** (2013.01 - EP KR US); **B24D 13/02** (2013.01 - EP KR US)

Citation (search report)

- [XY] DE 3332085 A1 19850321 - FESTO KG [DE]
- [Y] FR 492132 A 19190628 - JOSEPH HENRY WOODINGTON [GB], et al
- [Y] US 3629918 A 19711228 - HART LOWELL T
- [A] GB 2092474 A 19820818 - NORTON CO
- [A] GB 445512 A 19360414 - DEGUSSA
- [A] US 3715787 A 19730213 - HUDSON A

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DE FR GB

DOCDB simple family (publication)

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DOCDB simple family (application)

**DE 29700458 U 19970113**; DE 59812255 T 19980108; EP 98100183 A 19980108; JP 376198 A 19980112; KR 19980000180 A 19980107; SG 1998000050 A 19980106; US 283498 A 19980105