Title (en)

Abrasive tape

Title (de)

Schleifband

Title (fr)

Bande abrasive

Publication

EP 0940224 A3 20000405 (EN)

Application

EP 99105024 A 19930602

Priority

EP 93913473 A 19930602

Abstract (en)

[origin: EP0938951A2] The grinding tape (11) consists of a film substrate (2) and a grinding layer (10) laminated on one surface. It has a plurality of recesses (9) in the surface of the grinding layer (10), a film substrate (2) is wound partially around the circumferential surface of a roll intaglio (1) provided with several recesses (5) in its surface. The film substrate (2) is fed as the roll intaglio (1) is rotated. In the meantime, an ionising radiation setting resin (3) is fed between the roll intaglio (1) and the film substrate (2) passed around it, in such a manner that the resin (3) is shaped by the recesses (5) to cause recesses (9) to be formed in the surface of the resin (3). During the shaping of the resin (3), the radiation R is applied from an ionising radiation source (8) to the resin (3) so as to harden the resin (3) and combine the resin (3) and film substrate (2) with each other unitarily. A grinding tape (11) thus obtained is peeled off from the roll intaglio (1).

IPC 1-7 (main, further and additional classification)

B24D 11/00

IPC 8 full level (invention and additional information)

B24D 3/02 (2006.01); **B24D 3/28** (2006.01); **B24D 11/00** (2006.01); **B24D 11/08** (2006.01); **B24D 18/00** (2006.01)

CPC (invention and additional information)

B24D 18/009 (2013.01); **B24D 3/02** (2013.01); **B24D 3/28** (2013.01); **B24D 11/00** (2013.01); **B24D 11/001** (2013.01); **B24D 11/006** (2013.01); **B24D 11/08** (2013.01)

Citation (search report)

- [A] JP H0523973 A 19930202 - DAINIPPON PRINTING CO LTD
- [A] US 5152917 A 19921006 - PIEPER JON R [US], et al
- [A] US 3689187 A 19720905 - HIROSAWA NORIO
- [A] GB 2090275 A 19820707 - NORTON CO

Designated contracting state (EPC)

CH DE FR GB LI NL

DOCDB simple family

EP 0938951 A2 19990901; EP 0938951 A3 20000405; EP 0938951 B1 20020904; EP 0938950 A2 19990901; EP 0938950 A3 20000405; EP 0938950 B1 20030319; EP 0940224 A2 19990908; EP 0940224 A3 20000405; EP 0940224 B1 20020904