

Title (en)  
Abrasive tape

Title (de)  
Schleifband

Title (fr)  
Bande abrasive

Publication  
**EP 0938950 A3 20000405 (EN)**

Application  
**EP 99105023 A 19930602**

Priority  
• EP 99105023 A 19930602  
• 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  
**B24D 11/00**

IPC 8 full level  
**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)

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Citation (search report)  
• [X] US 5152917 A 19921006 - PIEPER JON R [US], et al  
• [A] JP H0523973 A 19930202 - DAINIPPON PRINTING CO LTD

Cited by  
US7267700B2; US7300479B2; WO2005035193A3; WO03020474A1

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**EP 99105025 A 19930602**; EP 99105023 A 19930602; EP 99105024 A 19930602