

Title (en)
Sanding belt for belt sanding machine

Title (de)
Schleifband für eine Bandschleifmaschine

Title (fr)
Bande abrasive pour ponceuse à bande

Publication
EP 1177861 A3 20021023 (DE)

Application
EP 01103306 A 20010213

Priority
DE 20013377 U 20000801

Abstract (en)
[origin: EP1177861A2] Endless abrasive belt (10) has an abrasive layer (11) and a high tensile support for transmitting drive power to the abrasive layer. The abrasive layer (11), an intermediate layer (16) between the abrasive layer and a support (17), and the support (17) allow particles to flow through. Preferred Features: The support (17) is made from a material which does not allow particles to flow through and has many holes (18) distributed uniformly throughout its surface. The flexible intermediate layer (16) is made from an open-pored foam. The support (17) is made from paper, cloth or film.

IPC 1-7
B24D 11/00; B24B 21/18; B24B 55/10; B24B 55/08

IPC 8 full level
B24B 21/18 (2006.01); **B24B 55/08** (2006.01); **B24B 55/10** (2006.01); **B24D 11/00** (2006.01)

CPC (source: EP)
B24B 55/08 (2013.01); **B24D 11/00** (2013.01)

Citation (search report)

- [Y] US 5910471 A 19990608 - CHRISTIANSON TODD J [US], et al
- [Y] US 2804733 A 19570903 - EDWARD HURST
- [A] WO 9906182 A1 19990211 - SCAPA GROUP PLC [GB], et al
- [A] EP 0716903 A1 19960619 - JOEST PETER [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 442 (M - 766) 21 November 1988 (1988-11-21)
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 466 (P - 1794) 30 August 1994 (1994-08-30)

Cited by
DE102004007747B3; WO2019111212A1

Designated contracting state (EPC)
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EP 1177861 A2 20020206; **EP 1177861 A3 20021023**; **EP 1177861 B1 20040818**; AT E273770 T1 20040915; DE 20013377 U1 20001005; DE 50103294 D1 20040923; ES 2222278 T3 20050201; PT 1177861 E 20041130

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