

Title (en)

Abrasive lining for abrasive tool and its manufacturing process.

Title (de)

Schleifbelag für Schleifwerkzeuge und Verfahren zur Herstellung des Schleifbelages.

Title (fr)

Revêtement abrasif pour outil abrasif et procédé pour le fabriquer.

Publication

EP 0648576 A1 19950419 (DE)

Application

EP 94115711 A 19941006

Priority

CH 311993 A 19931015

Abstract (en)

The abrasive lining for abrasive tools, especially abrasive wheels, comprises resin-bonded grinding studs formed by granulation or the like of metallic- or ceramic-bonded or similarly bonded, hot-pressed or pressureless-sintered abrasive with diamond or CBN grit. An abrasive wheel with such an abrasive lining is distinguished in particular by large chip spaces, high abrasion resistance, self-sharpening, higher loadability and direct connection of the abrasive lining to the carrier, inter alia. <IMAGE>

Abstract (de)

Der Schleifbelag für Schleifwerkzeuge, insbesondere Schleifscheiben, umfasst kunstharzgebundene, durch Granulieren o.dgl. von metallisch oder keramisch o.dgl. gebundenem, heissgepresstem oder druckfrei gesintertem Schleifmittel mit Diamant- oder CBN-Korn gebildete Schleifstollen. Eine Schleifscheibe mit einem solchen Schleifbelag zeichnet sich insbesondere aus durch grosse Spanräume, hohe Anriebsfestigkeit, Selbstschärfung, höhere Belastbarkeit und direkte Verbindung des Schleifbelages mit dem Träger u.a. <IMAGE>

IPC 1-7

B24D 3/06; **B24D 3/14**; **B24D 3/28**; **C09K 3/14**

IPC 8 full level

B24D 3/00 (2006.01); **B24D 3/06** (2006.01); **B24D 3/14** (2006.01); **B24D 3/28** (2006.01)

CPC (source: EP KR US)

B24D 3/06 (2013.01 - EP KR US); **B24D 3/14** (2013.01 - EP KR US); **B24D 3/28** (2013.01 - EP KR US)

Citation (search report)

- [X] EP 0012631 A1 19800625 - DE BEERS IND DIAMOND [ZA]
- [A] US 5106392 A 19920421 - SLUTZ DAVID E [US], et al
- [A] EP 0546732 A1 19930616 - MINNESOTA MINING & MFG [US]
- [A] EP 0444824 A2 19910904 - MINNESOTA MINING & MFG [US]
- [PX] PATENT ABSTRACTS OF JAPAN vol. 18, no. 217 (M - 1594) 19 April 1994 (1994-04-19)
- [A] DATABASE WPI Section Ch Week 8021, Derwent World Patents Index; Class LMF, AN 80-38273C C21!
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 469 (M - 883) 24 October 1989 (1989-10-24)

Cited by

CN106378717A; EP0770457A1; AU687598B2; US5975988A; US6217413B1; WO9610471A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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