

Title (en)  
COATED ABRASIVE

Publication  
**EP 0071723 A3 19840905 (EN)**

Application  
**EP 82105371 A 19820618**

Priority  
US 29120581 A 19810810

Abstract (en)  
[origin: EP0071723A2] A coated abrasive of improved resistance to <<loading>> comprising a flexible backing, a plurality of abrasive grit particles dispersed over the area of at least one surface of said backing, and at least one layer of adhesive bond material adhering said abrasive grit particles to each other and to said backing, characterized by the fact that the outermost layer of said adhesive bond material comprises: (a) animal glue, or a cured amino resin, or a mixture thereof in an amount of at least 40% by weight of the total adhesive bond material, exclusive of any filler; and (b) at least 0.74 grams per square meter of an additive which is (1) a mono-, di-, and tri-organyl ester of orthophosphoric acid, (2) a salt of a mono-, di-, and tri-organyl ester of orthophosphoric acid with an amine, (3) a tetraorganylammonium salt, or (4) a soluble mixture thereof. Best results are obtained with a sizer adhesive of amino resin containing phosphate esters or their amine salts as additive.

IPC 1-7  
**B24D 3/28**; **B24D 3/34**

IPC 8 full level  
**B24D 11/00** (2006.01); **B24D 3/00** (2006.01); **B24D 3/28** (2006.01); **B24D 3/34** (2006.01)

CPC (source: EP)  
**B24D 3/001** (2013.01); **B24D 3/28** (2013.01); **B24D 3/344** (2013.01)

Citation (search report)  
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Designated contracting state (EPC)  
AT CH DE FR GB IT LI SE

DOCDB simple family (publication)  
**EP 0071723 A2 19830216**; **EP 0071723 A3 19840905**; **EP 0071723 B1 19870812**; AT E28813 T1 19870815; AU 557187 B2 19861211; AU 8505682 A 19830217; BR 8204145 A 19830712; CA 1192050 A 19850820; DD 202255 A5 19830907; DE 3276931 D1 19870917; DE 71723 T1 19830929; ES 513995 A0 19840201; ES 8402609 A1 19840201; JP H0355271 B2 19910822; JP S5851078 A 19830325; MX 160757 A 19900509; YU 154482 A 19851031; ZA 824334 B 19830427

DOCDB simple family (application)  
**EP 82105371 A 19820618**; AT 82105371 T 19820618; AU 8505682 A 19820621; BR 8204145 A 19820716; CA 403506 A 19820521; DD 24172682 A 19820716; DE 3276931 T 19820618; DE 82105371 T 19820618; ES 513995 A 19820715; JP 11007582 A 19820628; MX 19348482 A 19820707; YU 154482 A 19820715; ZA 824334 A 19820618