

Title (en)
Coated abrasive.

Title (de)
Beschichtetes Schleifmittel.

Title (fr)
Produit à revêtement abrasif.

Publication
EP 0071723 A2 19830216 (EN)

Application
EP 82105371 A 19820618

Priority
US 29120581 A 19810810

Abstract (en)
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)

Cited by
EP0414346A1; EP0398580A1; US6039775A; US5702811A; US5840090A; US5738695A; EP0408943A1; CN1066996C; CN1092095C; US5961674A; US6270543B1; WO9858769A1; WO9742006A1; WO9714535A1

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