

Title (en)
ABRASION-RESISTANT COMPOSITE SHEET

Title (de)
ABRIEBFESTE VERBUNDFOLIE

Title (fr)
FEUILLE COMPOSITE RESISTANT A L'ABRASION

Publication
EP 0824396 A4 19990526 (EN)

Application
EP 95919097 A 19950508

Priority

- US 9505805 W 19950508
- US 33088694 A 19941028

Abstract (en)
[origin: WO9635578A1] A composite sheet having a surface layer (17) of resin-impregnated pile-like vertical fibers (10) provides the sheet with unusually high resistance to abrasive wear. The surface layer (17) has a combination of characteristics that includes an effective pile-fiber concentration of 0.1 to 0.5 g/cm<3>, an over-all density of at least 0.4 g/cm<3>, a resin content of 25 to 90 weight % and a pile parameter of at least 0.3 grams/cm<3>. Preferably, the pile-like fibers (10) contained within the surface layer (17) are derived from particular contracted knit fabrics or contracted two-bar stitchbonded fabrics (20).

IPC 1-7
B32B 3/00; **B32B 33/00**

IPC 8 full level
B29C 70/24 (2006.01); **D04B 21/18** (2006.01)

CPC (source: EP)
B29C 70/24 (2013.01); **D04B 21/165** (2013.01); **D04B 21/18** (2013.01); **B29K 2105/0809** (2013.01); **B29K 2105/256** (2013.01); **B29K 2995/0087** (2013.01); **D10B 2505/02** (2013.01)

Citation (search report)

- [DX] WO 9419523 A1 19940901 - DU PONT [US]
- [A] US 4606964 A 19860819 - WIDEMAN RONALD H [US]
- See references of WO 9635578A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9635578 A1 19961114; EP 0824396 A1 19980225; EP 0824396 A4 19990526; TW 304918 B 19970511

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