

Title (en)  
ABRASION-RESISTANT COMPOSITE SHEET

Title (de)  
ABRIEBFESTE VERBUNDFOLIE

Title (fr)  
FEUILLE COMPOSITE RESISTANT A L'ABRASION

Publication  
**EP 0824396 A1 19980225 (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)  
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**US 9505805 W 19950508**; EP 95919097 A 19950508; TW 84105194 A 19950523