

Title (en)  
Textile fabrics

Title (de)  
Textile Flächengebilde

Title (fr)  
Articles textiles

Publication  
**EP 0976866 B1 20041103 (DE)**

Application  
**EP 99114691 A 19990727**

Priority  
DE 19833920 A 19980728

Abstract (en)  
[origin: EP0976866A1] A flat hydrophilic textile (fleece) retains its hydrophilic character after multiple washings by treatment with colloidal dispersions of specific oxides and/or hydroxides in combination with specific wetting agents. The flat textile comprises a fiber structure in which the fibers are held together by a polymer binder, and the flat texture contains an oxide and/or hydroxide of Al, B, Si, Mg, Ti, and/or Zn in colloidal dispersion and a sulfosuccinate or sulfosuccinamate wetting agent. An Independent claim is included for the preparation of the textile by impregnating the fiber structure with a polymer binder dispersion, drying and optionally hardening, and (i) impregnation with a colloidal suspension of the above oxides and/or hydroxides, with a solution of a precursor of these oxides and/or hydroxides, inducement of a colloidal dispersion of the oxides and/or hydroxides, and (ii) impregnation of the structure with a sulfosuccinate or sulfosuccinamate.

IPC 1-7  
**D06M 11/45**; **D06M 11/82**; **D06M 11/79**; **D06M 11/77**; **D06M 11/44**; **D06M 11/46**; **D06M 13/256**; **D04H 1/64**

IPC 8 full level  
**D04H 1/425** (2012.01); **D04H 1/4291** (2012.01); **D04H 1/435** (2012.01); **D04H 1/587** (2012.01); **D04H 1/64** (2012.01); **D04H 1/645** (2012.01); **D06M 11/44** (2006.01); **D06M 11/45** (2006.01); **D06M 11/46** (2006.01); **D06M 11/77** (2006.01); **D06M 11/79** (2006.01); **D06M 11/82** (2006.01); **D06M 13/256** (2006.01); **D06M 15/227** (2006.01); **D06M 15/233** (2006.01); **D06M 15/248** (2006.01); **D06M 15/263** (2006.01); **D06M 15/285** (2006.01); **D06M 15/29** (2006.01); **D06M 15/31** (2006.01); **D06M 15/333** (2006.01)

CPC (source: EP)  
**D04H 1/425** (2013.01); **D04H 1/4291** (2013.01); **D04H 1/435** (2013.01); **D04H 1/587** (2013.01); **D04H 1/64** (2013.01); **D04H 1/645** (2013.01); **D06M 11/44** (2013.01); **D06M 11/45** (2013.01); **D06M 11/46** (2013.01); **D06M 11/77** (2013.01); **D06M 11/79** (2013.01); **D06M 11/82** (2013.01); **D06M 13/256** (2013.01); **D06M 15/227** (2013.01); **D06M 15/233** (2013.01); **D06M 15/248** (2013.01); **D06M 15/263** (2013.01); **D06M 15/285** (2013.01); **D06M 15/29** (2013.01); **D06M 15/31** (2013.01); **D06M 15/333** (2013.01)

Cited by  
EP1312421A3; US10913760B2; US11248108B2; US7037590B2; US10053558B2; US10864653B2; US11230031B2; US11401204B2; US11939460B2; US10767050B2; US11945979B2; US11946582B2; US10738160B2; US11078332B2; US11814481B2; US9745489B2; US9926464B2; US10000639B2; US11453780B2; US10183416B2; US11332577B2; US10968629B2; US11060276B2; US11459754B2; US9828287B2; US10287462B2; US10759695B2; US11401209B2; US11453807B2; US11725124B2; US11905206B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0976866 A1 20000202**; **EP 0976866 B1 20041103**; AT E281552 T1 20041115; CA 2278946 A1 20000128; DE 19833920 A1 20000203; DE 59910972 D1 20041209; ES 2232051 T3 20050516

DOCDB simple family (application)  
**EP 99114691 A 19990727**; AT 99114691 T 19990727; CA 2278946 A 19990727; DE 19833920 A 19980728; DE 59910972 T 19990727; ES 99114691 T 19990727