

Title (en)

Breathable nonwoven liquid barrier fabric and method

Title (de)

Wasserdampfdurchlässiger und flüssigkeitsundurchlässiger Vliesstoff und Verfahren

Title (fr)

Etoffe non-tissée perméable à la vapeur et imperméable aux liquides et méthode

Publication

EP 0893530 A1 19990127 (EN)

Application

EP 98108294 A 19980507

Priority

US 89958997 A 19970724

Abstract (en)

A porous, nonwoven fabric made from bonded fibers and/or filaments is provided, and a continuous film or layer of a liquid radiation curable resin is applied to the fabric surface. The liquid film is subjected to radiation to cure the liquid into a solid film bonded to the surface of the fabric. The film renders the fabric impervious to liquids but allows passage of liquid vapor, and the technique provides an alternative to more expensive ways to achieve the same barrier properties.

IPC 1-7

D04H 1/58; **D04H 3/12**

IPC 8 full level

D06N 7/04 (2006.01); **D04H 1/58** (2012.01); **D04H 1/64** (2012.01); **D04H 3/12** (2006.01); **D06M 13/02** (2006.01); **D06M 13/07** (2006.01); **D06M 13/152** (2006.01); **D06M 15/555** (2006.01); **D06M 17/00** (2006.01)

CPC (source: EP)

D04H 1/64 (2013.01); **D04H 3/12** (2013.01)

Citation (search report)

- [X] EP 0017364 A1 19801015 - ROHM & HAAS [US]
- [X] US 4871611 A 19891003 - LEBEL ANDREW P [US]
- [X] WO 8908553 A1 19890921 - SILI TEX INC [US]
- [X] WO 8908554 A1 19890921 - SILI TEX INC [US]
- [X] WO 9636757 A2 19961121 - NEXTEC APPLICATIONS INC [US]

Cited by

US9029277B2; GB2375723A; EP2415428A1; US2012034837A1; WO0149913A1; WO0146505A3; US10369769B2; US11123965B2; US9827696B2; US10800073B2; US9827755B2; US10850491B2; US11383504B2; US9765459B2; US10253439B2; US10900157B2; US11866863B2

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 0893530 A1 19990127; CA 2236402 A1 19990124; JP H11158777 A 19990615

DOCDB simple family (application)

EP 98108294 A 19980507; CA 2236402 A 19980430; JP 22247798 A 19980723