

Title (en)
Method for improving the softness and /or the drape of nonwoven fabrics

Title (de)
Verfahren zur Verbesserung von Weichheit und/oder Fall von Vliesstoffen

Title (fr)
Procédé pour améliorer la douceur et/ou le drapé des textiles non tissés

Publication
EP 1359244 A3 20050427 (DE)

Application
EP 03002959 A 20030211

Priority
DE 10219929 A 20020503

Abstract (en)
[origin: EP1359244A2] The non-woven of synthetic polymers is subjected to one or more physical treatments. The nonwoven is moved in a rope or web form, preferably in a wet condition. In a preferred embodiment, the material is also subjected to a thermal treatment with oversaturated steam. The mechanical treatment preferably takes place in a standard rope scouring or dyeing machine. An Independent claim is made for the application of the material in clothing, home textiles, suitcase linings, shoe components, banners, car interiors and health and hygiene products.

IPC 1-7
D06B 3/28; **D06C 19/00**; **D06M 10/00**

IPC 8 full level
D06B 3/28 (2006.01); **D06C 19/00** (2006.01)

CPC (source: EP US)
D06B 3/28 (2013.01 - EP US); **D06C 19/00** (2013.01 - EP US)

Citation (search report)

- [DX] EP 0814188 A1 19971229 - FREUDENBERG CARL FA [DE]
- [X] US 4369156 A 19830118 - MATHES NIKOLAUS [DE], et al
- [X] US 4342801 A 19820803 - GERLACH KLAUS, et al
- [X] US 5355565 A 19941018 - BARAVIAN JEAN [FR]
- [PX] DE 10133769 A1 20021205 - FREUDENBERG CARL KG [DE]
- [X] DE 19947870 C1 20010510 - FREUDENBERG CARL FA [DE]
- [E] EP 1336682 A2 20030820 - FREUDENBERG CARL KG [DE]
- [A] DE 19962313 C1 20010419 - FREUDENBERG CARL FA [DE]
- [A] US 4560385 A 19851224 - BARAVIAN JEAN [FR] & WO 02097187 A1 20021205 - FREUDENBERG CARL KG [DE], et al

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
EP 1359244 A2 20031105; **EP 1359244 A3 20050427**; DE 10219929 A1 20031204; US 2004045144 A1 20040311

DOCDB simple family (application)
EP 03002959 A 20030211; DE 10219929 A 20020503; US 42366503 A 20030425