

Title (en)
TEXTURED NONWOVEN COMPOSITE MATERIAL AND METHOD FOR MAKING THE SAME

Title (de)
TEXTURIERTER VERBUNDWERKSTOFF UND VERFAHREN ZUR HERSTELLUNG

Title (fr)
MATERIAU COMPOSITE NON TISSE TEXTURE ET SON PROCEDE DE PRODUCTION

Publication
EP 1023479 A1 20000802 (EN)

Application
EP 98953659 A 19981016

Priority
• US 9821965 W 19981016
• US 6297597 P 19971017
• US 11100598 A 19980707

Abstract (en)
[origin: WO9920822A1] A method of making a textured nonwoven composite material. The method includes the steps of: providing a hydraulically entangled web containing a fibrous component and a nonwoven layer of substantially continuous filaments; applying a binder material to at least one side of the web; and compacting the web along at least one of its planar dimensions to increase its thickness and impart texture. The binder material may be an aqueous mixture including a curable latex polymer, a pigment, and a cure promoter. Also disclosed is a textured nonwoven composite material made of a hydraulically entangled web including a fibrous component; a nonwoven layer of substantially continuous filaments; and regions containing binder material covering at least a portion of at least one side of the composite material, in which the web has been compacted along at least one of its planar dimensions to increase its thickness and impart texture.

IPC 1-7
D04H 1/64; **D04H 1/54**; **D04H 1/46**; **D04H 3/02**

IPC 8 full level
A47L 13/16 (2006.01); **D04H 1/46** (2012.01); **D04H 1/54** (2012.01); **D04H 1/64** (2012.01); **D04H 3/02** (2006.01); **D04H 5/06** (2006.01); **D21H 17/67** (2006.01); **D21H 19/44** (2006.01)

CPC (source: EP KR)
D04H 1/407 (2013.01 - KR); **D04H 1/4382** (2013.01 - KR); **D04H 1/49** (2013.01 - EP KR); **D04H 1/492** (2013.01 - EP); **D04H 1/495** (2013.01 - EP KR); **D04H 1/54** (2013.01 - EP KR); **D04H 1/587** (2013.01 - EP KR); **D04H 1/64** (2013.01 - EP); **D04H 1/66** (2013.01 - KR); **D04H 3/02** (2013.01 - EP); **D06C 23/00** (2013.01 - KR)

Citation (search report)
See references of WO 9920822A1

Designated contracting state (EPC)
BE DE ES FR GB GR IT NL PT SE

DOCDB simple family (publication)
WO 9920822 A1 19990429; AR 017359 A1 20010905; AU 1098099 A 19990510; AU 731390 B2 20010329; CA 2306850 A1 19990429; EP 1023479 A1 20000802; JP 2001520333 A 20011030; KR 20010015762 A 20010226

DOCDB simple family (application)
US 9821965 W 19981016; AR P980105182 A 19981016; AU 1098099 A 19981016; CA 2306850 A 19981016; EP 98953659 A 19981016; JP 2000517135 A 19981016; KR 20007004061 A 20000415