

Title (en)

PROPYLENE BASED MELTBLOWN NONWOVEN LAYERS AND COMPOSITE STRUCTURES

Title (de)

PROPYLENBASIERTE SCHMELZBLASVLIESSTOFFE UND VERBUNDKÖRPER

Title (fr)

COUCHES DE NON-TISSES OBTENUES PAR EXTRUSION SOUFFLAGE, A BASE DE PROPYLENE, ET STRUCTURES COMPOSITES

Publication

EP 1920099 A1 20080514 (EN)

Application

EP 06789393 A 20060803

Priority

- US 2006030416 W 20060803
- US 70966805 P 20050819

Abstract (en)

[origin: WO2007024447A1] The present invention relates to propylene-based nonwoven layers made by the meltblown process, and laminates incorporating such layers. The meltblown layers of the present invention comprise propylene copolymers characterized by having less than 50 percent crystallinity. The meltblown layers of the present invention show an improved combination of extensibility and tensile strength. The laminate structures of the present invention are characterized by a combination of low bending modulus with high peel strength.

IPC 8 full level

D04H 1/42 (2006.01); **D04H 13/00** (2006.01)

CPC (source: EP KR US)

D04H 1/4291 (2013.01 - EP KR US); **D04H 1/4374** (2013.01 - EP KR US); **D04H 1/4382** (2013.01 - KR); **D04H 1/56** (2013.01 - EP KR US); **D04H 3/007** (2013.01 - KR); **D04H 13/00** (2013.01 - KR); **Y10T 442/601** (2015.04 - EP US); **Y10T 442/66** (2015.04 - EP US)

Citation (search report)

See references of WO 2007024447A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007024447 A1 20070301; BR PI0617146 A2 20110712; CN 101243221 A 20080813; EP 1920099 A1 20080514; JP 2009504933 A 20090205; KR 20080038230 A 20080502; MX 2008002376 A 20080318; RU 2008110486 A 20090927; RU 2415206 C2 20110327; TW 200714467 A 20070416; US 2008199673 A1 20080821

DOCDB simple family (application)

US 2006030416 W 20060803; BR PI0617146 A 20060803; CN 200680030273 A 20060803; EP 06789393 A 20060803; JP 2008526976 A 20060803; KR 20087006521 A 20080318; MX 2008002376 A 20060803; RU 2008110486 A 20060803; TW 95130411 A 20060818; US 6312406 A 20060803