Title (en)
MULTIPLE COMPONENT SPUNBOND WEB AND LAMINATES THEREOF

Title (de)
MULTIKOMPONENTENFASER-SPINNVLIES UND LAMINATE DARAUS

Title (fr)
VOILE FILE-LIE A COMPOSANTS MULTIPLES ET STRATIFIES ASSOCIES

Publication
EP 1516082 A1 20050323 (EN)

Application
EP 02744654 A 20020626

Priority
US 0220261 W 20020626

Abstract (en)
[origin: WO2004003278A1] A spunbond nonwoven fabric is provided which is formed from continuous multiple component filaments which include a polyester component and a polyethylene component. The polyethylene component is a blend of high density polyethylene and a first linear low density polyethylene. The spunbond filaments are preferably formed in a sheath-core configuration with the polyester component in the core and the polyethylene component in the sheath. Composite sheets are provided which include the multiple component spunbond layer and a meltblown layer, wherein the meltblown fibers include a second linear low density polyethylene. The linear low density polyethylenes are preferably formed by polymerization of ethylene with an alpha-olefin co-monomer, where the same co-monomer is used in each of the first and second linear low density polyethylenes.

IPC 1-7
D04H 3/16; D04H 13/00; B32B 5/26

IPC 8 full level
B32B 5/26 (2006.01); **D04H 3/007** (2012.01); **D04H 3/147** (2012.01); **D04H 3/16** (2006.01); **D04H 13/00** (2006.01)

CPC (source: EP)
D04H 3/007 (2013.01); **D04H 3/147** (2013.01); **D04H 3/16** (2013.01); **D04H 13/00** (2013.01)

Citation (search report)
See references of WO 2004003278A1

Cited by
EP3721965A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 2004003278 A1 20040108; CN 100352991 C 20071205; CN 1630751 A 20050622; DE 60233443 D1 20091001; EP 1516082 A1 20050323; EP 1516082 B1 20090819; JP 2005530938 A 20051013

DOCDB simple family (application)
US 0220261 W 20020626; CN 02829227 A 20020626; DE 60233443 T 20020626; EP 02744654 A 20020626; JP 2004517476 A 20020626