

Title (en)

Process for manufacturing a nonwoven material to be used for instance as underroof membrane

Title (de)

Verfahren zum Herstellen eines Vlieses, insbesondere zur Verwendung für Unterspannbahnen für Bedachungen

Title (fr)

Procédé de fabrication d'un matériau non-tissé, en particulier pour l'utilisation en tant que membrane de sous-toiture

Publication

EP 1024218 A3 20020925 (DE)

Application

EP 00101710 A 20000127

Priority

DE 19903663 A 19990129

Abstract (en)

[origin: EP1024218A2] A thermoplastic felt (I), preferably for use as underfelt for roofing, is prepared by the continuous spinning of fibers by extrusion from a melt, forming a felt from the fibers and point bonding followed by calendering and use of a hydrophobic material.

IPC 1-7

D04H 13/00; **B32B 27/00**

IPC 8 full level

D04H 1/54 (2006.01); **D04H 1/544** (2012.01)

CPC (source: EP)

D04H 1/54 (2013.01); **D04H 1/544** (2013.01)

Citation (search report)

- [X] WO 9722659 A1 19970626 - DU PONT [US]
- [XD] DE 4443157 A1 19960613 - GESSNER & CO GMBH [DE]
- [XD] DE 19642252 A1 19970814 - WIRZ PETER [DE]
- [X] US 5534340 A 19960709 - GUPTA RAKESH K [US], et al
- [X] US 5025052 A 19910618 - CRATER DAVIS H [US], et al
- [A] EP 0855479 A2 19980729 - WIRZ PETER [DE]
- [A] EP 0616831 A1 19940928 - MINNESOTA MINING & MFG [US]

Cited by

US2020399904A1; US11518137B2

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 1024218 A2 20000802; **EP 1024218 A3 20020925**; DE 19903663 A1 20000824

DOCDB simple family (application)

EP 00101710 A 20000127; DE 19903663 A 19990129