

Title (en)

Spunbonded nonwoven fabric and process for making the same

Title (de)

Spinnvlies und Verfahren zur Herstellung eines Spinnvlieses

Title (fr)

Etoffe non-tissée spunbond, ainsi que son procédé de fabrication

Publication

EP 1505187 A1 20050209 (DE)

Application

EP 03018108 A 20030808

Priority

EP 03018108 A 20030808

Abstract (en)

A spunbonded textile fibre of theoretically infinite length has a bi-component filament with an inner core and an outer sheath with a low melting point. The spun filament is strengthened by calender with a press surface of less than 22% and has a specific weight of less than 40 g/m. An independent claim is included for a process to produce the spunbonded fibre.

Abstract (de)

Spinnvlies aus Endlosfasern, wobei die Endlosfasern Mehrkomponentenfilamente, insbesondere Bikomponentenfilamente mit einer niedrig schmelzenden Komponente an der Außenoberfläche sind. Es handelt sich um eine thermisch in einem Kalandrier verfestigtes Spinnvlies. Das Spinnvlies weist ein Flächengewicht von über 40 g/m² auf. <IMAGE>

IPC 1-7

D04H 3/14; **D01F 8/06**; **D01F 8/10**

IPC 8 full level

D01F 8/06 (2006.01); **D04H 3/007** (2012.01); **D04H 3/011** (2012.01); **D04H 3/14** (2012.01); **D04H 3/147** (2012.01)

CPC (source: EP US)

D01F 8/06 (2013.01 - EP US); **D04H 3/007** (2013.01 - EP US); **D04H 3/011** (2013.01 - EP US); **D04H 3/14** (2013.01 - EP US); **D04H 3/147** (2013.01 - EP US)

Citation (search report)

- [X] US 5425987 A 19950620 - SHAWVER SUSAN E [US], et al
- [X] WO 0066821 A1 20001109 - KIMBERLY CLARK CO [US]
- [X] WO 03027374 A1 20030403 - DU PONT [US]
- [X] DE 2810429 A1 19780914 - FIBER INDUSTRIES INC
- [A] US 2001019931 A1 20010906 - FARE ROSALDO [IT]

Cited by

EP1988202A1

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 RO SE SI SK TR

DOCDB simple family (publication)

EP 1505187 A1 20050209; **EP 1505187 B1 20060719**; AT E333528 T1 20060815; CN 100336956 C 20070912; CN 1580345 A 20050216; DE 50304289 D1 20060831; DK 1505187 T3 20061030; ES 2265079 T3 20070201; MY 140892 A 20100129; US 2005041312 A1 20050224

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