

Title (en)

Method for producing a nonwoven fabric and a product obtained with said method

Title (de)

Verfahren zur Herstellung einer Faservlies sowie danach hergestelltes Produkt

Title (fr)

Méthode de fabrication d'un tissu non-tissé et produit ainsi obtenu

Publication

EP 1712667 A1 20061018 (EN)

Application

EP 05425203 A 20050411

Priority

EP 05425203 A 20050411

Abstract (en)

To obtain a web of nonwoven fabric (V1) consolidated but soft and pliable, a web of unconsolidated fibers, such as a carded web (V), is fed between two rollers (7, 9) provided with protuberances (7P, 9P) disposed out of phase, so that in the nip between the rollers only some of the protuberances of the two rollers are positioned opposite one another and perform bonding according to points disposed in concentrated areas, separated by areas essentially devoid of bonding points or in any case with a distribution of points of a much lesser density.

IPC 8 full level

D04H 1/54 (2006.01); **B29C 59/04** (2006.01); **B31F 1/07** (2006.01); **D04H 1/44** (2006.01); **D04H 1/559** (2012.01); **D04H 3/00** (2012.01);
D04H 3/14 (2006.01); **D04H 13/00** (2006.01)

CPC (source: EP)

D04H 1/44 (2013.01); **D04H 1/54** (2013.01); **D04H 1/559** (2013.01); **D04H 3/00** (2013.01); **D04H 3/14** (2013.01); **D04H 13/00** (2013.01)

Citation (applicant)

- WO 0186050 A1 20011115 - SOMMER SEBASTIAN [DE]
- DE 3416004 A1 19851031 - HENKEL KGAA [DE]
- DE 19750459 A1 19990527 - KUESTERS EDUARD MASCHF [DE]
- US 5656119 A 19970812 - SRINIVASAN RAMESH [US], et al
- US 2003168194 A1 20030911 - BOTELHO JOSEPH P [US], et al
- EP 1418094 A2 20040512 - JOHNS MANVILLE EUROPE GMBH [DE]
- US 3507943 A 19700421 - SUCH JOHN J, et al
- US 4005169 A 19770125 - CUMBERS DAVID CHARLES

Citation (search report)

- [X] US 4005169 A 19770125 - CUMBERS DAVID CHARLES
- [X] US 4493868 A 19850115 - MEITNER GARY H [US]
- [X] US 4902366 A 19900220 - BADER HANS [DE]
- [X] WO 9509261 A1 19950406 - KIMBERLY CLARK CO [US]
- [A] WO 9720688 A1 19970612 - PERINI FABIO SPA [IT], et al
- [A] US 6235373 B1 20010522 - GRAFF PIERRE [FR]
- [A] US 5173351 A 19921222 - RUPPEL REMY [FR], et al

Cited by

US8664128B2; US7695799B2; US9067334B2; US10729597B2; US9849602B2; US10821622B2; US10124556B2; US10272635B2;
US10611119B2; US10850475B2

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1712667 A1 20061018; EP 1712667 B1 20110105; AT E494408 T1 20110115; DE 602005025728 D1 20110217; ES 2356919 T3 20110414

DOCDB simple family (application)

EP 05425203 A 20050411; AT 05425203 T 20050411; DE 602005025728 T 20050411; ES 05425203 T 20050411