Title (en)

METHOD FOR PRODUCING NONWOVEN WEBS WHEREOF THE COHESION IS OBTAINED BY THE ACTION OF FLUID JETS

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES VLIESSTOFFES MIT HYDRODYNAMISCHER VERNADELUNG

Title (fr)

PROCEDE POUR LA REALISATION DE NAPPES NON TISSEES DONT LA COHESION EST OBTENUE PAR L'ACTION DE JETS DE FLUIDE

Publication

EP 1226297 B1 20060614 (FR)

Application

EP 00964353 A 20000922

Priority

• FR 0002633 W 20000922
• FR 9912601 A 19991005

Abstract (en)

[origin: FR2799214A1] Manufacture of non-woven fabric, comprises forming a layer of fibres (10), compressing and damping the layer, and subjecting it to water jets (27) to bind the fibres together as the layer is passed over a drum (22) with surface micro-perforations. Manufacture of non-woven fabric, comprises forming a layer of fibres (10), compressing and damping the layer, and subjecting it to water jets (27) to bind the fibres together as the layer is passed over a drum (22) with surface micro-perforations. The layer is subjected to further water jet treatment over a suction surface, formed by a drum covered with woven metal mesh (30), having alternating projections and recesses.

IPC 8 full level

D04H 1/4258 (2012.01); **D04H 1/492** (2012.01); **D04H 1/495** (2012.01); **D04H 18/04** (2012.01); D04H 3/10 (2012.01); D04H 5/02 (2012.01)

CPC (source: EP US)

D04H 1/4258 (2013.01 - EP US); **D04H 1/492** (2013.01 - EP US); **D04H 1/495** (2013.01 - EP US); **D04H 3/11** (2013.01 - EP US); **D04H 18/04** (2013.01 - EP US); D04H 5/02 (2013.01 - EP US); Y10T 442/637 (2015.04 - EP US); Y10T 442/689 (2015.04 - EP US); Y10T 442/697 (2015.04 - EP US); Y10T 442/698 (2015.04 - EP US)

Cited by

EP4253615A1; FR3133862A1

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)

FR 2799214 A1 20010406; **FR 2799214 B1 20011116**; AT E330049 T1 20060715; AU 7530400 A 20010510; DE 60028804 D1 20060727; DE 60028804 T2 20070614; DK 1226297 T3 20061016; EP 1226297 A1 20020731; EP 1226297 B1 20060614; ES 2265979 T3 20070301; US 2002160681 A1 20021031; US 2004158962 A1 20040819; US 6796010 B2 20040928; WO 0125522 A1 20010412

DOCDB simple family (application)

FR 9912601 A 19991005; AT 00964353 T 20000922; AU 7530400 A 20000922; DE 60028804 T 20000922; DK 00964353 T 20000922; EP 00964353 A 20000922; ES 00964353 T 20000922; FR 0002633 W 20000922; US 11687702 A 20020405; US 78314104 A 20040220