

Title (en)

METHOD FOR MAKING A FIBER GLASS AND CELLULOSE MAT IN CATIONIC MEDIUM

Title (de)

HERSTELLUNG EINES VLIESES AUS GLASFASERN UND ZELLSTOFFFASERN IN EINEM KATIONISCHEN MEDIUM

Title (fr)

FABRICATION D UN VOILE EN FIBRES DE VERRE ET DE CELLULOSE EN MILIEU CATIONIQUE

Publication

EP 1581696 A1 20051005 (FR)

Application

EP 04700461 A 20040107

Priority

- FR 2004000014 W 20040107
- FR 0300125 A 20030108

Abstract (en)

[origin: FR2849655A1] The procedure consists of dispersing cut glass fibres and cellulose fibres in water with a cationic property and depositing them in a layer on a material through which the water can drain, while the fibres are subjected to thermal treatment by stoving at between 140 and 250 degrees C. The procedure is a continuous one, with the water recycled and retaining its cationic property throughout its cycle, and at the moment when the dispersion is deposited on the draining material the fibre mass represents preferably between 0.02 and 0.05 per cent of the weight of the dispersion. At the same time the water has a viscosity at 20 degrees C of between 3 and 16 mPa.s. The final non-woven fabric contains 2 - 12 per cent cellulose, 70 - 80 per cent glass fibres and 8 - 27 per cent of a bonding agent. It has a surface mass of 30 - 130 g/sq m, and a tear resistance of over 430 gf.

IPC 1-7

D21H 13/40

IPC 8 full level

D21H 13/40 (2006.01)

CPC (source: EP KR US)

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FR 2849655 A1 20040709; FR 2849655 B1 20050211; AT E351943 T1 20070215; AU 2004209310 A1 20040819; BR PI0406508 A 20051206; CA 2512753 A1 20040819; CA 2512753 C 20110913; CN 100414040 C 20080827; CN 1723313 A 20060118; DE 602004004362 D1 20070308; DE 602004004362 T2 20070823; EA 007362 B1 20061027; EA 200501100 A1 20051229; EP 1581696 A1 20051005; EP 1581696 B1 20070117; JP 2006517621 A 20060727; KR 101127969 B1 20120330; KR 101236413 B1 20130222; KR 20050096126 A 20051005; KR 20120013995 A 20120215; MX PA05006960 A 20050816; NO 20053750 D0 20050804; NO 20053750 L 20050920; NZ 540530 A 20081031; PL 214237 B1 20130731; PL 378340 A1 20060320; US 2006113050 A1 20060601; US 2012118521 A1 20120517; US 8157957 B2 20120417; US 8273214 B2 20120925; WO 2004070112 A1 20040819

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