

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 B1 20070117 (FR)

Application

EP 04700461 A 20040107

Priority

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- 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 8 full level

D21H 13/40 (2006.01)

CPC (source: EP KR US)

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