

Title (en)

WOVEN/KNIT FABRIC INCLUDING CRIMPED FIBER AND DECREASING IN POROSITY UPON HUMIDIFICATION, PROCESS FOR PRODUCING THE SAME, AND TEXTILE PRODUCT

Title (de)

BEI BEFEUCHTUNG AN POROSITÄT ABNEHMENDE WEB- ODER MASCHENWARE AUS KRÄUSELFASER, HERSTELLUNGSVERFAHREN DAFÜR UND TEXTILERZEUGNIS

Title (fr)

TISSU TISSÉ/À MAILLES INCORPORANT UNE FIBRE FRISÉE ET DIMINUANT EN POROSITÉ LORS DE L'HUMIDIFICATION, PROCÉDÉ POUR LE PRODUIRE, ET PRODUIT TEXTILE

Publication

EP 2065497 A4 20100602 (EN)

Application

EP 05795775 A 20051017

Priority

- JP 2005019432 W 20051017
- JP 2004304130 A 20041019

Abstract (en)

[origin: US2008085398A1] A woven or knitted fabric with a air space which is reversibly decreased by wetting with water compared to its dry state, comprises crimped filaments A whose percentage of crimp decreases upon wetting with water, and filaments B selected from among filaments with no crimps and crimped filaments which undergo substantially no change in percentage of crimp upon wetting with water, wherein the difference between the dry percentage of crimp $DC_{\langle SUB \rangle f \langle /SUB \rangle}(\%)$ and the wet percentage of crimp ($HC_{\langle SUB \rangle f \langle /SUB \rangle}$) ($DC_{\langle SUB \rangle f \langle /SUB \rangle} - HC_{\langle SUB \rangle f \langle /SUB \rangle}$) of a crimped filament A taken from the woven or knitted fabric is at least 10%, and the average value RA between the change in dimensions RP(%) of the woven or knitted fabric in the warp (or wale) direction when wet and when dry, and the change in dimensions RF(%) in the weft (or course) direction when wet and when dry ($= (RP - RF)/2$)(%) is at least 5%.

IPC 8 full level

A41B 1/00 (2006.01); **D01F 8/12** (2006.01); **D02G 3/04** (2006.01); **D03D 15/04** (2006.01); **D03D 15/567** (2021.01); **D04B 1/20** (2006.01); **D04B 21/00** (2006.01); **D06M 15/53** (2006.01); **D06M 101/32** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

- [X] JP S62162043 A 19870717 - TEIJIN LTD
- [X] JP S60252756 A 19851213 - TEIJIN LTD
- [X] JP S60252746 A 19851213 - TEIJIN LTD
- [X] JP 2003041462 A 20030213 - TEIJIN LTD
- See references of WO 2006043677A1

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