Title (en)

WOVEN OR KNIT FABRIC CONTAINING CRIMPED COMPOSITE FIBER HAVING ITS AIR PERMEABILITY ENHANCED BY WATER WETTING AND RELEVANT CLOTHING

Title (de)

DURCH BENETZEN MIT WASSER LUFTDURCHLÄSSIGERE WEB- ODER MASCHENWARE AUS GEKRÄUSELTER VERBUNDFASER SOWIE ENTSPRECHENDE BEKLEIDUNG

Title (fr)

TISSU OU TRICOT EN FIBRES COMPOSITES CREPEES DONT LA PERMEABILITE A L'AIR EST AMELIOREE PAR MOUILLAGE PAR L'EAU ET VETEMENTS ASSOCIES

Publication

EP 1803844 B1 20180905 (EN)

Application

EP 05788318 A 20050927

Priority

- JP 2005018238 W 20050927
- JP 2004281494 A 20040928
- JP 2004283758 A 20040929
- JP 2005019486 A 20050127

Abstract (en)

[origin: EP1803844A1] A woven or knit fabric containing crimped composite fibers having its air permeability enhanced by water wetting and being useful in clothes such as outerwear, which woven or knit fabric contains 10 to 100 mass% of composite fibers of side-by-side type or eccentric core sheath type composed of polyester resin component and polyamide resin component whose thermal shrinkages are different from each other, the composite fibers having crimps developed by heat treatment. The composite fibers exhibit humid crimp factor HC F (%), as measured through a procedure comprising immersing the same in water of 30°C for 2 hr, pulling them up, interposing them between a pair of filter papers at 30°C in a humidity of 90% RH within 60 sec of the pulling up and applying a pressure of 0.69 mN/cm 2 for 5 sec, of #¥ 10% lower than the dry crimp factor DC F (%) after dying by allowing them to stand still at 20°C in a humidity of 65% RH for 24 hr, so that the woven or knit fabric exerts of the effect of air permeability enhancement by water wetting.

IPC 8 full level

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CPC (source: EP KR US)

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