

Title (en)

Heat-retaining, moisture-permeable, waterproof fabrics

Title (de)

Wärmehaltendes, dampfdurchlässiges und wasserundurchlässiges Textilflächengebilde

Title (fr)

Matériau textile retenant la chaleur, perméable à l'humidité et imperméable

Publication

EP 0933467 B1 20040825 (EN)

Application

EP 99101487 A 19990127

Priority

- JP 1582798 A 19980128
- JP 4767598 A 19980227
- JP 10285198 A 19980414
- JP 30187398 A 19981023
- JP 30724698 A 19981028

Abstract (en)

[origin: EP0933467A2] Disclosed is a heat-retaining, moisture-permeable, waterproof fabric having a highly moisture-absorbing and releasing organic fine particles immobilized on at least one surface of an unprocessed fabric (base fabric) with a moisture-permeable waterproof resin, said fabric (processed fabric) being capable of achieving a difference in the hygroscopic degree (ΔA) as represented by the following equation (1) and a difference in the temperature of heat generated by absorption of moisture (ΔT) as represented by the following equation (2): $\Delta A = A(95) - A(20)$ wherein A (95) represents a moisture absorption ratio (%) of the processed fabric as measured after being left to stand for 24 hours at a relative humidity of 95% (20 DEG C), and A (20) represents a moisture absorption ratio (%) of the processed fabric as measured after being left to stand for 24 hours at a relative humidity of 20% (20 DEG C); and $\Delta T = T - T_0$ wherein T (sample) represents the surface temperature of the processed fabric as measured after the fabric is absolutely dried, adjusted to a temperature of 32 DEG C in an absolute dry condition and held for 10 seconds in an environment of 70% RH and 32 DEG C, and T (blank) represents the surface temperature of the unprocessed fabric (base fabric) as measured after the fabric is absolutely dried, adjusted to a temperature of 32 DEG C in an absolute dry condition and held for 10 seconds in an environment of 70% RH and 32 DEG C.

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CPC (source: EP)

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Cited by

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