

Title (en)
MOISTURE-ABSORBENT COMPOSITE FIBER

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EP 0434029 A3 19911121 (EN)

Application
EP 90124769 A 19901219

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• JP 750590 A 19900116
• JP 13896490 A 19900528
• JP 25370890 A 19900921
• JP 32998789 A 19891219

Abstract (en)
[origin: EP0434029A2] Provided are composite fibers comprising a hydrophobic polyester (B) having a moisture absorbency at 20 DEG C, 65% RH of not more than 2% and having a total concentration of at least one metal selected from the group consisting of alkali metals and alkali earth metals of at least 500 ppm and a nylon-4 polymer (A) in an amount of 40 to 80% by weight based on the weight of the fiber. They are excellent for clothing use, since they have excellent moisture absorbency, give no clammy feeling upon absorption of moisture, and do not suffer delamination between the nylon-4 polymer and the hydrophobic polyester. Particularly excellent among them are sheath-core composite fibers comprising a core of the nylon-4 polymer (A) and a sheath of the hydrophobic polyester (B) and side-by-side composite fibers having a flat cross-section in which the nylon-4 polymer and the hydrophobic polyester are bimetal-wise laminated with each other. <IMAGE>

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IPC 8 full level
D01F 8/12 (2006.01); **D01F 8/14** (2006.01)

CPC (source: EP KR)
D01F 8/12 (2013.01 - EP KR); **D01F 8/14** (2013.01 - EP KR)

Citation (search report)
• [A] DATABASE WPIL, accession no. 85-034488 (06), Derwent Publications Ltd., London, GB; & JP-A-59 228 070 (KURARAY K.K.) 21 December 1984
• [A] DATABASE WPIL, accession no. 86-147864 (23), Derwent Publications Ltd., London, GB; & JP-A-61 083 316 (NIPPON ESTER K.K.) 26 April 1986

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