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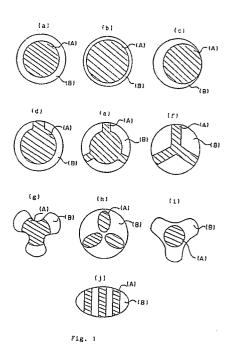
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- Moisture-absorbent composite fiber.
- 57) Provided are composite fibers comprising a hydrophobic polyester (B) having a moisture absorbency at 20°C, 65% RH of not more than 2% and having a total concentration of at least one metal selected from the 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.





EUROPEAN SEARCH REPORT

EP 90 12 4769

ategory	Citation of document with indication of relevant passages	, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
	DATABASE WPIL, accesson no. 8 Derwent Publications Ltd., Lo &JP-A-59228070 (KURARAY KK) 2 * the whole document*	ondon, GB;	-7	D01F8/12 D01F8/14
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Place of search Date of completion of the search			1	Examiner
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X : par	CATEGORY OF CITED DOCUMENTS ticularly relevant if taken alone ticularly relevant if combined with another unsent of the same category	T: theory or principle u E: earlier patent docum after the filing date D: document cited in the	nderlying the ent, but public	invention ished on, or