

Title (en)

POLYAMIDE FIBER WITH IMPROVED COMFORT MANAGEMENT, PROCESS THEREOF AND ARTICLE MADE THEREFROM

Title (de)

POLYAMIDFASER MIT VERBESSERTER KOMFORTVERWALTUNG, VERFAHREN DAFÜR UND DARAUS HERGESTELLTER ARTIKEL

Title (fr)

FIBRE DE POLYAMIDE PRÉSENTANT UNE GESTION AMÉLIORÉE DU CONFORT, PROCÉDÉ POUR LADITE FIBRE ET ARTICLE FABRIQUÉ À PARTIR DE LADITE FIBRE

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Application

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Priority

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Abstract (en)

[origin: WO2016108078A1] The present invention relates to a polyamide fiber with improved comfort management properties. The present invention also discloses a method for obtaining such fiber and articles made therefrom. The polyamide fiber is produced from a hygroscopic polyamide in a multilobal cross section profile. The hygroscopic polyamide fiber is produced preferably from polyamide 5.X, X being an integer from 4 to 16. Most preferably polyamide 5.6, which is a biobased polyamide obtained from pentamethylenediamine and is derived from sugar-based renewable feedstocks. The present invention thus discloses a polyamide fiber and articles made therefrom for sportswear and leisurewear applications, with improved water absorption, wicking and drying properties, wherein the sweat is transported away from the skin and is quickly dried, thereby reducing the wet sensation and chill during activity. The present invention provides freshness and comfort by maintaining a pleasant skin temperature and microclimate.

IPC 8 full level

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