

Title (en)
POLYPHENYLENE SULFIDE FIBER AND PROCESS FOR PRODUCING THE SAME

Title (de)
POLYPHENYLENSULFIDFASER UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
FIBRE DE POLY(SULFURE DE PHÉNYLÈNE) ET SON PROCÉDÉ DE FABRICATION

Publication
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Application
EP 08870062 A 20081225

Priority
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• JP 2008002082 A 20080109

Abstract (en)
[origin: EP2246463A1] [Abstract] The object of the invention is to provide a polyphenylene sulfide fiber with a large single-filament fineness that does not require special production equipment and serves as industrial material for uses where high rigidity is needed, and also provides a low-cost process to produce said polyphenylene sulfide fiber with high spinnability. A polyphenylene sulfide fiber with a single-filament fineness of 10 to 50 dtex and a tenacity of 4.5 to 6 cN/dtex. A polyphenylene sulfide fiber production method wherein an aqueous lubricant is attached to the surface up to 0.1 to 1 wt% and subsequently a anhydrous lubricant is attached to the surface so that the total weight of the surface-attached oil will account for 0.5 to 2 wt%.

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Citation (search report)
• [A] WO 2006097281 A1 20060921 - DIOLIN IND FIBERS BV [NL], et al
• See references of WO 2009087901A1

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