

Title (en)
POLYESTER FIBER FOR FALSE TWISTING

Title (de)
POLYESTERFASER FÜR FALSCHZWIRNE

Title (fr)
FIBRE DE POLYESTER POUR FAUSSE TORSION

Publication
EP 1199399 A4 20040818 (EN)

Application
EP 01914175 A 20010319

Priority
• JP 0102163 W 20010319
• JP 2000102119 A 20000404

Abstract (en)
[origin: EP1199399A1] The polytrimethylene terephthalate-based polyester yarn, which has excellent smoothness, heat resistance, collectability and anti-electricity, scarcely generates fluffs and broken yarn, and can stably be subjected to false-twisting, is a polyester yarn whose 80 % or more by weight is formed from polytrimethylene terephthalate, which has a birefringence of 0.03 to 0.08, an elongation of 30 to 180%, an elastic recovery of 30 to 100% at 10% elongation, and to whose surface a treating agent, containing an ether-ester compound (the component a) represented by the following formula in an amount of 50 to 80 % by weight and a polyether compound (the component b) having a molecular weight of 10,000 or more in an amount of 2 to 20 % by weight, is stuck in an amount of 0.2 to 1.0 % by weight. R1 OCO-(A)X-(CH₂)Z-(A)Y-COOR₂ Åwherein, R1 and R2 are each an alkyl group having 7 to 21 carbon atoms, A is an oxyalkylene group having 2 to 4 carbon atoms, X and Y are each an integer of not less than 0, provided that (X + Y) is an integer of 1 to 20, and Z is an integer of 3 to 12.

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D06M 15/53; **C10M 107/34**

IPC 8 full level
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CPC (source: EP KR US)
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Citation (search report)
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• [A] US 4497720 A 19850205 - MORIGA HIROYUKI [JP], et al
• See references of WO 0175217A1

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