

Title (en)

Monofilamentary bicomponent core-sheath fibres

Title (de)

Monofile Bikomponentenfäden des Kernmanteltyps

Title (fr)

Fibres à deux composants âme-gaine monofilamentaires

Publication

EP 0976854 B1 20041110 (DE)

Application

EP 99114642 A 19990727

Priority

DE 19834008 A 19980729

Abstract (en)

[origin: EP0976854A1] Core-sheath bicomponent monofilaments have a core containing a liquid crystal polymer and a homogeneous sheath containing a polyester. An Independent claim is also included for the production of the monofilaments by melt extrusion and cooling in a gas stream or liquid below the spinneret to a temperature at least 0-30 degrees C below the glass transition temperature of the sheath material, such that the ratio of the spinning speed (in volume/area - time) to haul-off speed is 1:5-30, preferably 1:(8-15). The monofilament may then be wound up and conditioned.

IPC 1-7

D01F 8/14

IPC 8 full level

D01F 8/14 (2006.01)

CPC (source: EP US)

D01F 8/14 (2013.01 - EP US); **Y10T 428/2924** (2015.01 - EP US); **Y10T 428/2929** (2015.01 - EP US)

Cited by

EP1835055A1; EP2974878A3; EP1132507A1; DE10008845C2; EP2974878A2; US6517917B2; WO2015192932A1; WO2018206203A1; US10793975B2; DE202011003102U1; DE102011011126A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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EP 0976854 A1 20000202; **EP 0976854 B1 20041110**; AT E282103 T1 20041115; CA 2278962 A1 20000129; DE 19834008 A1 20000203; DE 19834008 C2 20001130; DE 59911028 D1 20041216; ES 2227942 T3 20050401; PT 976854 E 20050228; US 6254987 B1 20010703

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