

Title (en)

A SEA-ISLAND TYPED COMPOSITE FIBER USED IN WARP KNITTING, AND A PROCESS OF PREPARING FOR THE SAME

Title (de)

INSEL-IMMEER-VERBUNDFASER FÜR KETTGEWIRKE UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

FIBRE COMPOSITE DU TYPE MER-ILE UTILISEE POUR LE TRICOTAGE SUR METIER CHAINE ET PROCEDE DE PREPARATION DE CETTE FIBRE

Publication

**EP 1370718 A1 20031217 (EN)**

Application

**EP 01997578 A 20011120**

Priority

- KR 0101979 W 20011120
- KR 20000069141 A 20001121
- KR 20000070774 A 20001127
- KR 20000070775 A 20001127
- KR 20000070776 A 20001127
- KR 20000070777 A 20001127
- KR 20000070778 A 20001127
- KR 20000070779 A 20001127
- KR 20010020973 A 20010419

Abstract (en)

[origin: WO0242528A1] The present invention relates to a sea-island type composite fiber. The sea-island type composite fiber used in warp knitting which is prepared by the direct spin draw method and by using alkali soluble copolymer polyester as a sea component and polyester mainly consisting of polyethylene terephthalate of more than 90 mole% as an island component, wherein the sea-island type composite fiber is characterized in that it satisfies the following physical properties at the same time: an initial shrinkage starting temperature the composite fiber: 55 SIMILAR 90 DEG C; a maximum thermal stress temperature the composite fiber: 130 SIMILAR 160 DEG C; and a maximum thermal stress per denier the composite fiber: 0.150 SIMILAR 0.250 g. The sea-island type composite fiber prepared by the present invention has good thermal shrinkage properties and excellent raising property and improves the appearance and touch of warp knit fabric.

IPC 1-7

**D01D 5/34**

IPC 8 full level

**D01F 8/14** (2006.01)

CPC (source: EP)

**D01F 8/14** (2013.01)

Designated contracting state (EPC)

ES PT TR

DOCDB simple family (publication)

**WO 0242528 A1 20020530**; AU 2418602 A 20020603; BR 0115677 A 20031209; CN 1277963 C 20061004; CN 1440470 A 20030903; EP 1370718 A1 20031217; EP 1370718 A4 20050209

DOCDB simple family (application)

**KR 0101979 W 20011120**; AU 2418602 A 20011120; BR 0115677 A 20011120; CN 01812046 A 20011120; EP 01997578 A 20011120