

Title (en)

SEA-ISLAND-TYPE COMPOSITE FIBER, AND FIBER PRODUCT INCLUDING SEA-ISLAND-TYPE COMPOSITE FIBER

Title (de)

MEERESINSELVERBUNDFASER UND FASERPRODUKT MIT MEERESINSELVERBUNDFASER

Title (fr)

FIBRE COMPOSITE DE TYPE MER-ÎLOT, ET PRODUIT FIBREUX COMPRENANT UNE FIBRE COMPOSITE DE TYPE MER-ÎLOT

Publication

EP 4212655 A1 20230719 (EN)

Application

EP 21864348 A 20210901

Priority

- JP 2020149756 A 20200907
- JP 2021032054 W 20210901

Abstract (en)

A fiber characterized by being a sea-island-type composite fiber in which the primary constituent component of the sea section is an aromatic polyester, the moisture absorption/desorption parameter ΔMR is at least 2.0%, and a diagram obtained by connecting the center of gravity of the islands positioned on the outermost periphery of the fiber cross-sectional surface with line segments is a regular polygon having the center of gravity as an apex. Provided is a polyester fiber having superior quality with no splitting of the fiber surface caused by dispersion of stress generated due to volume expansion of the fibers when absorbing moisture, no dyeing irregularity or fuzzing when used in a woven or knitted fabric, and no reduction in moisture absorption due to hot-water processing, etc.

IPC 8 full level

D01F 8/14 (2006.01)

CPC (source: EP US)

D01D 5/36 (2013.01 - EP); **D01F 8/14** (2013.01 - EP US); **D10B 2331/042** (2013.01 - US); **D10B 2401/02** (2013.01 - US)

Citation (search report)

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