

Title (en)

COMPOSITE SPINNERET, CONJUGATED FIBER, AND PROCESS FOR MANUFACTURING CONJUGATED FIBER

Title (de)

ZUSAMMENGESETZTE SPINNDÜSE, KONJUGATFASER UND VERFAHREN ZUR HERSTELLUNG DER KONJUGATFASER

Title (fr)

FILIÈRE COMPOSITE, FIBRE CONJUGUÉE ET PROCÉDÉ DE FABRICATION DE LA FIBRE CONJUGUÉE

Publication

EP 2921576 A4 20160629 (EN)

Application

EP 13855930 A 20131115

Priority

- JP 2012253208 A 20121119
- JP 2013080891 W 20131115

Abstract (en)

[origin: EP2921576A1] The present invention provides a multicomponent fiber having a sea-island structure that facilitates sea removal even when the density of an island polymer is high, and a spinneret suitable for producing the multicomponent fiber. The multicomponent fiber according to the present invention includes a sea-island region (42) and a sea component region (44), and the sea component region (44) is between the sea-island region (42), and has a width of a certain value or more. The composite spinneret according to the present invention includes a nozzle plate having a nozzle hole collection including a sea component region forming hole group including sea discharge holes, and a sea-island discharge hole group.

IPC 8 full level

D01F 8/00 (2006.01); **D01D 5/36** (2006.01)

CPC (source: EP US)

D01D 4/025 (2013.01 - US); **D01D 5/082** (2013.01 - US); **D01D 5/36** (2013.01 - EP US); **D01F 8/00** (2013.01 - EP US); **D01F 8/14** (2013.01 - US); **D10B 2331/04** (2013.01 - US); **Y10T 428/2931** (2015.01 - EP US)

Citation (search report)

- [X1] EP 0104081 A2 19840328 - TORAY INDUSTRIES [JP]
- [X1] US 2010195233 A1 20100805 - KIM YEON SOO [KR], et al
- See references of WO 2014077359A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2921576 A1 20150923; **EP 2921576 A4 20160629**; **EP 2921576 B1 20190605**; CN 104797748 A 20150722; CN 104797748 B 20180403; JP 6344235 B2 20180620; JP WO2014077359 A1 20170105; KR 102061153 B1 20191231; KR 20150086235 A 20150727; TW 201425666 A 20140701; TW I633216 B 20180821; US 2015329991 A1 20151119; US 2018320290 A1 20181108; WO 2014077359 A1 20140522

DOCDB simple family (application)

EP 13855930 A 20131115; CN 201380060030 A 20131115; JP 2013080891 W 20131115; JP 2014508620 A 20131115; KR 20157008405 A 20131115; TW 102141873 A 20131118; US 201314443706 A 20131115; US 201816038597 A 20180718