

Title (en)

MULTI-COMPONENT FIBERS PRODUCED BY A ROTATIONAL SPINNING METHOD

Title (de)

DURCH ROTATIONSSPINNVERFAHREN HERGESTELLTE MEHRKOMPONENTENFASERN

Title (fr)

FIBRES À PLUSIEURS COMPOSANTS FABRIQUÉES PAR UN PROCÉDÉ DE FILATURE À ROTATION

Publication

EP 2550382 A2 20130130 (DE)

Application

EP 11702926 A 20110118

Priority

- DE 102010012845 A 20100325
- EP 2011000177 W 20110118

Abstract (en)

[origin: WO2011116848A2] A multi-component fiber, comprising a first component and a second component, which together form a fiber body (11), the first component being made of a first fiber raw material (1) and the second component being made of a second fiber raw material (3), is characterized by production by means of a rotational spinning method with regard to the aim of creating a multi-component fiber in which heat-sensitive fiber raw materials are processed without damage. A method, in which a first fiber raw material (1) is poured into a first container (2), a second fiber raw material (3) is poured into a second container (4), both containers (2, 4) are rotated, the first fiber raw material (1) is discharged from the first container (2), the second fiber raw material (3) is discharged from the second container (4), the fiber raw materials (1, 3) are combined after leaving the containers (2, 4), the containers (2, 4) are rotated about the same axis (A), the first fiber raw material (1) is discharged from the first container (2) through a first channel nozzle (5, 9a), and the second fiber raw material (3) is discharged from the second container (4) through a second channel nozzle (6, 10a), achieves the aforementioned aim.

IPC 8 full level

D01D 5/18 (2006.01)

CPC (source: EP KR US)

D01D 5/18 (2013.01 - EP KR US); **D01D 5/30** (2013.01 - EP KR US); **D01F 1/10** (2013.01 - KR); **D01F 1/103** (2013.01 - EP US); **D01F 8/00** (2013.01 - KR); **Y10T 428/2929** (2015.01 - EP US)

Citation (search report)

See references of WO 2011116848A2

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)

DE 102010012845 A1 20110929; BR 112012024007 A2 20160830; BR 112012024007 B1 20201110; CN 102844475 A 20121226; CN 102844475 B 20160420; EP 2550382 A2 20130130; JP 2013524025 A 20130617; JP 5907568 B2 20160426; KR 101457341 B1 20141103; KR 20120132640 A 20121206; RU 2012137113 A 20140427; RU 2553011 C2 20150610; TW 201200652 A 20120101; TW I447276 B 20140801; US 10196759 B2 20190205; US 2013011676 A1 20130110; WO 2011116848 A2 20110929; WO 2011116848 A3 20111117

DOCDB simple family (application)

DE 102010012845 A 20100325; BR 112012024007 A 20110118; CN 201180008983 A 20110118; EP 11702926 A 20110118; EP 2011000177 W 20110118; JP 2013500350 A 20110118; KR 20127027804 A 20110118; RU 2012137113 A 20110118; TW 100108848 A 20110316; US 201113636767 A 20110118