

Title (en)

METHOD FOR PRODUCING A MULTIFILAMENT COMPOSITE THREAD AND MELT SPINNING DEVICE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES MULTIFILEN VERBUNDFADENS UND SCHMELZSPINNVORRICHTUNG

Title (fr)

PROCÉDÉ DE FABRICATION D'UN FIL COMPOSITE MULTIFILAIRE ET DISPOSITIF DE FILAGE PAR FUSION

Publication

**EP 2630279 B1 20150415 (DE)**

Application

**EP 11739046 A 20110729**

Priority

- DE 102010049181 A 20101021
- EP 2011063065 W 20110729

Abstract (en)

[origin: WO2012052203A1] The invention relates to a method for producing a multifilament composite thread in a melt spinning process and to a melt spinning device. The melt spinning device has a spinning unit, a bundling unit, a pull-off unit, a drawing unit, and a compacting unit in order to extrude filament strands from a plurality of spinnerets, the strands being divided into a plurality of filament bundles and pulled off and combined into a composite thread after the pull-off and drawing processes. The wetting of the filament bundles takes place in a plurality of preparation stations of a preparation unit. In order to increase flexibility in the handling and production of composite threads, the filament bundles are guided in the first preparation station optionally using auxiliary wetting or without auxiliary wetting. To this end, the preparation sites of the first preparation station are optionally designed to be able to be activated or deactivated for applying the auxiliary wetting to the filament bundles.

IPC 8 full level

**D01D 5/096** (2006.01); **D01D 13/02** (2006.01)

CPC (source: EP US)

**D01D 5/08** (2013.01 - US); **D01D 5/096** (2013.01 - EP US); **D01D 13/02** (2013.01 - EP US)

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)

**WO 2012052203 A1 20120426**; CN 103154334 A 20130612; CN 103154334 B 20150902; EP 2630279 A1 20130828; EP 2630279 B1 20150415; US 2013221559 A1 20130829

DOCDB simple family (application)

**EP 2011063065 W 20110729**; CN 201180050384 A 20110729; EP 11739046 A 20110729; US 201313862732 A 20130415