

Title (en)

APPARATUS FOR PRODUCING MULTICOLOURED CRIMPED COMPOSITE YARNS

Title (de)

VORRICHTUNG ZUR HERSTELLUNG MEHRFARBIGER GEKRÄUSELTER VERBUNDFÄDEN

Title (fr)

DISPOSITIF POUR LA PRODUCTION DES FILS COMPOSITES MULTICOLORE TEXTURÉS

Publication

**EP 3047056 B1 20190320 (DE)**

Application

**EP 14771827 A 20140912**

Priority

- DE 102013015609 A 20130919
- EP 2014069533 W 20140912

Abstract (en)

[origin: WO2015039971A1] The invention relates to an apparatus for producing multicoloured crimped composite threads. The apparatus has a melt-spinning device for extruding a number of filament bundles from a number of differently coloured polymer melts, a cooling device, a treatment device and a winding device. In order to extrude the filament bundles, a number of spinning nozzles are assigned to the melt generators. In order to allow uniform and energy-saving production of the composite threads, according to the invention each of the spinning nozzles has a round nozzle pack having a number of groups of nozzle bores, arranged in a segmented manner on an underside, which are connected to the melt generators via separate melt ducts and a number of melt inlets formed on a top side of the round nozzle pack.

IPC 8 full level

**D01D 1/06** (2006.01); **D01D 4/06** (2006.01); **D01D 5/08** (2006.01); **D01D 13/00** (2006.01)

CPC (source: EP)

**D01D 1/065** (2013.01); **D01D 4/06** (2013.01); **D01D 5/082** (2013.01); **D01D 13/00** (2013.01)

Cited by

CN112176430A

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 2015039971 A1 20150326**; EP 3047056 A1 20160727; EP 3047056 B1 20190320

DOCDB simple family (application)

**EP 2014069533 W 20140912**; EP 14771827 A 20140912