

Title (en)

PROCESS AND APPARATUS FOR MELT-SPINNING, DRAWING AND WINDING MULTIPLE SYNTHETIC THREADS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SCHMELZSPINNEN, VERSTRECKEN UND AUFWICKELN MEHRERER SYNTHETISCHER FÄDEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE FILAGE À CHAUD, D'ÉTIRAGE ET D'ENROULEMENT DE PLUSIEURS FILS SYNTHÉTIQUES

Publication

**EP 2567008 B1 20140115 (DE)**

Application

**EP 11718704 A 20110503**

Priority

- DE 102010019696 A 20100507
- EP 2011057002 W 20110503

Abstract (en)

[origin: WO2011138302A1] The invention relates to a process for melt-spinning, drawing and winding multiple synthetic threads and also to an apparatus for performing the process. The synthetic threads are spun concurrently side by side through extrusion of fine filamentous strands, cooled down and hauled off to be then collectively drawn as a sheet of threads and wound up on bobbins. To obtain ideally identical physical properties in the collective treatment of the threads, the threads are hauled off independently of each other by separate individual godets after extrusion and before collective drawing. This makes it possible to realise for each thread the same conditions during extrusion, cooling and hauling off. To perform the process of the invention, the apparatus includes multiple individual godets arranged side by side which are arranged upstream of the drawing facility and are each assigned to one of the threads. To haul off the threads, the individual godets are configured to be individually driveable.

IPC 8 full level

**B29C 48/345** (2019.01); **D01D 5/16** (2006.01); **D01D 7/00** (2006.01); **D01D 13/00** (2006.01)

CPC (source: EP US)

**D01D 5/16** (2013.01 - EP US); **D01D 5/22** (2013.01 - US); **D01D 7/00** (2013.01 - EP US); **D01D 10/02** (2013.01 - US); **D01D 10/0463** (2013.01 - US); **D01D 13/00** (2013.01 - EP US); **D02J 1/22** (2013.01 - US); **D02J 1/225** (2013.01 - US)

Cited by

WO2019096625A1

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 2011138302 A1 20111110**; BR 112012027642 A2 20190924; CN 102884230 A 20130116; CN 102884230 B 20150617; EP 2567008 A1 20130313; EP 2567008 B1 20140115; RU 2012152542 A 20140620; RU 2534897 C2 20141210; US 2013049253 A1 20130228; US 9243348 B2 20160126

DOCDB simple family (application)

**EP 2011057002 W 20110503**; BR 112012027642 A 20110503; CN 201180022935 A 20110503; EP 11718704 A 20110503; RU 2012152542 A 20110503; US 201213663638 A 20121030