

Title (en)

SPINNING DEVICE AND METHOD FOR STRINGING UP IN A SPINNING DEVICE

Title (de)

SPINNVERRICHTUNG UND VERFAHREN ZUM ANSPINNEN EINER SPINNVERRICHTUNG

Title (fr)

DISPOSITIF DE FILAGE ET PROCÉDÉ DESTINÉ À RATTACHER LE FIL À UN DISPOSITIF DE FILAGE

Publication

EP 3695031 B1 20231206 (DE)

Application

EP 18779732 A 20181008

Priority

- EP 17020468 A 20171012
- EP 2018077356 W 20181008

Abstract (en)

[origin: WO2019072776A1] The invention relates to a spinning device (1) and to a method for the piecing of a spinning device (1) for the continuous extrusion of moulded bodies (3) from a spinning solution (6), and to a piecing device (11) for carrying out said method. According to said method, the moulded bodies (3) are extruded from the spinning solution (6) by spinnerets (7) of the spinning device (1), as a loose spinning curtain (2), the moulded bodies (3) of the loose spinning curtain (2) are collected together to form a bundle (4) of moulded bodies after the extrusion, and the bundle (4) of moulded bodies is supplied to a drawing-off body (10) of the spinning device (1), in a subsequent step, in order to initiate a continuous extrusion of the moulded bodies (3). The aim of the invention is to develop the method for the piecing of the spinning device (1) such that it is simpler and more reproducible. To this end, the moulded bodies (3) are collected together to form a bundle (4) by torsion of the spinning curtain (2) about a torsional axis (20).

IPC 8 full level

D01D 5/02 (2006.01)

CPC (source: EP KR US)

B65H 51/02 (2013.01 - US); **B65H 54/00** (2013.01 - US); **D01D 4/022** (2013.01 - US); **D01D 5/02** (2013.01 - EP KR US); **D01D 5/06** (2013.01 - US); **D01D 5/18** (2013.01 - US); **D01D 10/00** (2013.01 - US); **D01D 10/04** (2013.01 - US); **D01D 13/02** (2013.01 - US); **B65H 2701/3132** (2013.01 - 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)

EP 3470557 A1 20190417; BR 112020006884 A2 20201006; BR 112020007010 A2 20201006; CN 111164244 A 20200515; CN 111417748 A 20200714; EP 3695031 A1 20200819; EP 3695031 B1 20231206; EP 3695032 A1 20200819; ES 2972800 T3 20240617; FI 3695031 T3 20240313; JP 2021512225 A 20210513; JP 2021512226 A 20210513; JP 7354504 B2 20231003; JP 7404595 B2 20231226; KR 102576096 B1 20230906; KR 102576119 B1 20230906; KR 20200066652 A 20200610; KR 20200066653 A 20200610; PT 3695031 T 20240301; TW 201925554 A 20190701; TW 201928134 A 20190716; TW I780235 B 20221011; TW I827554 B 20240101; US 11718930 B2 20230808; US 11795582 B2 20231024; US 2020263324 A1 20200820; US 2020299864 A1 20200924; WO 2019072776 A1 20190418; WO 2019072779 A1 20190418

DOCDB simple family (application)

EP 17020468 A 20171012; BR 112020006884 A 20181008; BR 112020007010 A 20181008; CN 201880066405 A 20181008; CN 201880066421 A 20181008; EP 18779732 A 20181008; EP 18779733 A 20181008; EP 2018077356 W 20181008; EP 2018077362 W 20181008; ES 18779732 T 20181008; FI 18779732 T 20181008; JP 2020517867 A 20181008; JP 2020517868 A 20181008; KR 20207012206 A 20181008; KR 20207012226 A 20181008; PT 18779732 T 20181008; TW 107135750 A 20181011; TW 107135820 A 20181011; US 201816754933 A 20181008; US 201816754965 A 20181008