

Title (en)

DEVICE AND METHOD FOR SPINNING AND DEPOSITING A TOW

Title (de)

VORRICHTUNG UND VERFAHREN ZUM SPINNEN UND ABLEGEN EINES SPINNKABELS

Title (fr)

PROCEDE ET DISPOSITIF DE FILAGE ET D'ENLEVAGE D'UN CABLE DE FILAGE

Publication

EP 1511887 A1 20050309 (DE)

Application

EP 03727485 A 20030516

Priority

- DE 10222437 A 20020522
- EP 0305170 W 20030516

Abstract (en)

[origin: WO03097908A1] The invention relates to a device and method for spinning and depositing a tow (15). To this end, one or more fiber bundles (7) are melt-spun by a spinning device and are drawn off by a drawing-off mechanism (2). The tow (15) is then deposited into a can (4) by means of a depositing device (3). In order to be able to exert the necessary drawing-off forces onto the tow (15), the tow (15) is guided by partial wrapping on the rollers (9, 10) of the drawing-off mechanism (2) and in an S-shaped guide path. In order to change the extent of wrapping on the rollers, in particular, for the spinning start-up and spreading of the tow (15), the invention provides that some of the rollers (10) of the drawing-off mechanism (2) are displaceably mounted on the machine frame (12) thereby enabling the guide path of the tow (15) to be altered.

IPC 1-7

D01D 7/00

IPC 8 full level

A61B 3/10 (2006.01); **D01D 7/00** (2006.01); **G01B 11/14** (2006.01); **A61B 3/103** (2006.01)

CPC (source: EP KR US)

D01D 7/00 (2013.01 - EP KR US)

Citation (search report)

See references of WO 03097908A1

Designated contracting state (EPC)

DE IT

DOCDB simple family (publication)

WO 03097908 A1 20031127; AU 2003233334 A1 20031202; CN 1653214 A 20050810; DE 10222437 A1 20031204; EP 1511887 A1 20050309; JP 2005526192 A 20050902; KR 20050026391 A 20050315; US 2005062188 A1 20050324

DOCDB simple family (application)

EP 0305170 W 20030516; AU 2003233334 A 20030516; CN 03811411 A 20030516; DE 10222437 A 20020522; EP 03727485 A 20030516; JP 2004505418 A 20030516; KR 20047018874 A 20041122; US 98737904 A 20041112