

Title (en)

Means for application of polymer solution on cord spinning electrode

Title (de)

Vorrichtung zum Auftragen einer Polymerlösung auf eine Fadenspinnelektrode

Title (fr)

Moyens d'application d'une solution polymère sur l'électrode de filage en forme de corde

Publication

EP 2746439 A1 20140625 (EN)

Application

EP 13193648 A 20131120

Priority

CZ 2012950 A 20121221

Abstract (en)

A means of application of polymer solution on a cord spinning electrode of a device for the production of nanofibers by electrostatic spinning of a polymer solution in an electrostatic field of high intensity comprising a channel (3) for a cord electrode, which passes through a channel (4) of polymer solution. Mounted in the channel (3) for the cord electrode are at least two mutually perpendicular pairs of guiding elements (1, 2), whereby the gap between the guiding elements (1) or (2) of the corresponding pair is smaller than the smallest dimension of the channel (3) for the cord electrode.

IPC 8 full level

D04H 1/728 (2012.01); **D01D 5/00** (2006.01)

CPC (source: EP)

D01D 5/0069 (2013.01); **D04H 1/728** (2013.01)

Citation (search report)

- [A] WO 2012139533 A1 20121018 - ELMARCO SRO [CZ], et al
- [A] WO 2009067368 A2 20090528 - CLARCOR INC [US], et al
- [A] WO 2012028117 A1 20120308 - ELMARCO SRO [CZ], et al
- [A] WO 2009010020 A2 20090122 - ELMARCO SRO [CZ], et al

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CN110168150A; CN110168149A; WO2018129264A1; US10745827B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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