

Title (en)
DEVICE FOR PRODUCING ELECTROSPUN SHORT POLYMER FIBRES

Title (de)
VORRICHTUNG ZUR HERSTELLUNG VON ELEKTROGESPONNENEN POLYMERKURZFASERN

Title (fr)
DISPOSITIF POUR FABRIQUER DES FIBRES COURTES DE POLYMÈRE ÉLECTROFILÉES

Publication
EP 4051831 B1 20240110 (DE)

Application
EP 20800778 A 20201028

Priority
• AT 509262019 A 20191028
• AT 2020060382 W 20201028

Abstract (en)
[origin: WO2021081573A1] The invention relates to a device for producing electrospun short polymer fibres, said device having a dosing electrode (1) and a collector medium (3) opposite the dosing electrode (1) in the dosing direction (2). According to the invention, in order to create a device of the aforementioned type which allows continuous production of electrospun short polymer fibres, a cutting grid (5), which can be heated at least to the softening temperature of the polymer, and the mesh size of which corresponds to the minimum fibre length, is situated in front of the collector medium (3) in the dosing direction (2).

IPC 8 full level
D01D 5/00 (2006.01); **D01D 5/26** (2006.01)

CPC (source: AT EP US)
D01D 5/0061 (2013.01 - US); **D01D 5/0076** (2013.01 - EP US); **D01D 5/26** (2013.01 - AT EP US); **D01D 5/0046** (2013.01 - EP)

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 2021081573 A1 20210506; AT 522881 A4 20210315; AT 522881 B1 20210315; CN 114929954 A 20220819; CN 114929954 B 20240312; EP 4051831 A1 20220907; EP 4051831 B1 20240110; EP 4051831 C0 20240110; JP 2022554233 A 20221228; MX 2022005006 A 20220810; US 2022372660 A1 20221124

DOCDB simple family (application)
AT 2020060382 W 20201028; AT 509262019 A 20191028; CN 202080074744 A 20201028; EP 20800778 A 20201028; JP 2022524588 A 20201028; MX 2022005006 A 20201028; US 202017772617 A 20201028