

Title (en)

DEVICE FOR THE PRODUCTION OF FIBERS IN AN ELECTROSTATIC SPINNING METHOD

Title (de)

VORRICHTUNG ZUR HERSTELLUNG VON FASERN IN EINEM ELEKTROSTATISCHEN SPINNVERFAHREN

Title (fr)

DISPOSITIF DESTINE A PRODUIRE DES FIBRES DANS LE CADRE D'UN PROCEDE DE FILAGE ELECTROSTATIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO03016601A1] Disclosed is a device for the production of fibers (6) in an electrostatic spinning method, comprising a storage vessel for a polymer solution or a polymer melt, a conveyor device (1) arranged in the storage vessel (1), at least one sputter electrode (3; 3a; 3b) or at least one sputter metal sheet and a counter electrode (5), the at least one sputter electrode or the at least one sputter metal sheet being disposed on the conveyor device (1) in such a way that the polymer solution or polymer melt conveyed out of the storage vessel by the conveyor device (1) is drained onto the at least one sputter electrode (3; 3a; 3b) or the at least one sputter metal sheet. Also disclosed is a method for electrostatic spinning of polymers using the inventive device.

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Cited by

JP2015081391A; AU2009263898B2; CZ303297B6; CZ303298B6; CZ302876B6; CN102704193A; US8727756B2; DE102014004631A1; WO2009156822A1; US8778254B2; US9205453B2; US9718012B2; US10272374B2; US10967315B2

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