

Title (en)

FIBER FORMATION BY ELECTRICAL-MECHANICAL SPINNING

Title (de)

FASERBILDUNG DURCH ELEKTRISCH-MECHANISCHES SPINNEN

Title (fr)

FABRICATION D'UNE FIBRE PAR FILAGE ÉLECTROMÉCANIQUE

Publication

**EP 2209933 A1 20100728 (EN)**

Application

**EP 08841904 A 20081022**

Priority

- US 2008080693 W 20081022
- US 98184807 P 20071023

Abstract (en)

[origin: US2009102100A1] A method of fiber formation by electrical-mechanical spinning is disclosed. A liquid starting material is fed to a rotating annular member such as a spinning cup. The liquid material is directed by centrifugal force to the periphery of the annular member where it is expelled in fibrous form. An electric charge is imposed on the liquid while on the annular member or while immediately being expelled from the annular member.

IPC 8 full level

**D01D 5/18** (2006.01); **D01D 5/00** (2006.01); **D04H 1/728** (2012.01)

CPC (source: EP US)

**D01D 5/0069** (2013.01 - EP US); **D01D 5/0985** (2013.01 - EP US); **D01D 5/18** (2013.01 - EP US); **D01F 6/18** (2013.01 - EP US)

Citation (search report)

See references of WO 2009055413A1

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Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**US 2009102100 A1 20090423**; CA 2703958 A1 20090430; CN 101883882 A 20101110; EA 201070516 A1 20101230; EP 2209933 A1 20100728; JP 2011501790 A 20110113; KR 20100088141 A 20100806; MX 2010004467 A 20100503; WO 2009055413 A1 20090430

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**US 25580608 A 20081022**; CA 2703958 A 20081022; CN 200880119051 A 20081022; EA 201070516 A 20081022; EP 08841904 A 20081022; JP 2010531176 A 20081022; KR 20107011057 A 20081022; MX 2010004467 A 20081022; US 2008080693 W 20081022