

Title (en)

PROCESS FOR PRODUCING NANO- AND MESOFIBRES BY ELECTROSPINNING COLLOIDAL DISPERSIONS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON NANO- UND MESOFASERN DURCH ELEKTROSPINNEN VON KOLLOIDALEN DISPERSIONEN

Title (fr)

procédé de fabrication de nanofibres et de mésofibres par électrofilage de dispersions colloïdales

Publication

**EP 2057307 A2 20090513 (DE)**

Application

**EP 07802732 A 20070820**

Priority

- EP 2007058633 W 20070820
- EP 06119248 A 20060821
- EP 07802732 A 20070820

Abstract (en)

[origin: WO2008022993A2] The present invention relates to a process for producing polymer fibres, especially nano- and mesofibres, by the electrospinning process, in which a colloidal dispersion of at least one essentially water-insoluble polymer and of at least one nonionic surfactant, if appropriate further comprising at least one water-soluble polymer, is electrospun in an aqueous medium. The present invention further relates to fibres obtainable by this process.

IPC 8 full level

**D01D 5/00** (2006.01); **D01F 1/10** (2006.01); **D04H 1/728** (2012.01)

CPC (source: EP US)

**D01D 5/003** (2013.01 - EP US); **D01F 1/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2008022993A2

Citation (examination)

CN 1724725 A 20060125 - CHANGCHUN APPLIED CHEMISTRY [CN]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**WO 2008022993 A2 20080228**; **WO 2008022993 A3 20080605**; EP 2057307 A2 20090513; JP 2010501738 A 20100121; US 2010013126 A1 20100121

DOCDB simple family (application)

**EP 2007058633 W 20070820**; EP 07802732 A 20070820; JP 2009525045 A 20070820; US 43829607 A 20070820