

Title (en)
Process for the production of nanofibres

Title (de)
Verfahren zur Herstellung von Nanofasern

Title (fr)
Procédé pour la production de nanofibres

Publication
EP 1591569 B1 20090916 (EN)

Application
EP 04460033 A 20040726

Priority
PL 36760004 A 20040430

Abstract (en)
[origin: EP1591569A1] Process for the production of nanofibres with a diameter below 500 nm, consists in preparing a spinning solution of a natural polymer in a non-volatile solvent, feeding this solution by means of a metallic capillary linked to a current source to electrostatic field, in which the solution is converted into fibres, transporting the formed fibres on the surface of the flowing bath and finally collecting the coagulated fibres in a known way on a rotating drum or a tape stretched on rotating rollers. Electrostatic field is generated between the feeding capillary and a placed under it flowing coagulating bath linked to earth.

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CPC (source: EP)
D01D 5/0046 (2013.01); **D01F 2/00** (2013.01)

Cited by
CN110106562A; CN115323611A; CN103465628A; CN108179485A; CN103645751A; SG123727A1; CN102367593A; CN115434036A; WO2009150644A3

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