

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.

IPC 8 full level  
**D01F 2/00** (2006.01); **D01D 5/00** (2006.01)

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

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

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1591569 A1 20051102; EP 1591569 B1 20090916**; AT E443169 T1 20091015; DE 602004023177 D1 20091029; PL 1591569 T3 20091231; PL 212325 B1 20120928; PL 367600 A1 20051031

DOCDB simple family (application)  
**EP 04460033 A 20040726**; AT 04460033 T 20040726; DE 602004023177 T 20040726; PL 04460033 T 20040726; PL 36760004 A 20040430