

Title (en)

A PROCESS FOR PRODUCING WATER-ABSORBENT POLYMER PARTICLES BY POLYMERIZING DROPLETS OF A MONOMER SOLUTION

Title (de)

VERFAHREN ZUR HERSTELLUNG VON WASSERABSORBIERENDEN POLYMERPARTIKELN MITTELS POLYMERISATION VON TROPFEN EINER MONOMERLÖSUNG

Title (fr)

PROCÉDÉ DE PRODUCTION DE PARTICULES POLYMÈRES ABSORBANT L'EAU PAR POLYMÉRISATION DE GOUTTELETTES D'UNE SOLUTION DE MONOMÈRE

Publication

EP 2547703 A1 20130123 (EN)

Application

EP 11706846 A 20110309

Priority

- EP 10157563 A 20100324
- EP 10156483 A 20100315
- EP 2011053498 W 20110309
- EP 11706846 A 20110309

Abstract (en)

[origin: WO2011113728A1] The present invention relates to a process for producing water-absorbent polymer particles by polymerizing droplets of a monomer solution in a surrounding heated gas phase and flowing the gas cocurrent through the polymerization chamber, which comprises coating the water-absorbing polymer particles with at least one sulfinic acid, sulfonic acid and/or salts thereof.

IPC 8 full level

C08F 2/34 (2006.01); **A61L 15/60** (2006.01); **C08F 2/10** (2006.01); **C08F 2/16** (2006.01)

CPC (source: EP)

A61L 15/60 (2013.01); **C08F 2/10** (2013.01); **C08F 2/16** (2013.01); **C08F 2/34** (2013.01); **A61F 2013/530569** (2013.01); **A61F 2013/530591** (2013.01); **A61L 2420/02** (2013.01)

Citation (search report)

See references of WO 2011113728A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2011113728 A1 20110922; BR 112012023050 A2 20160517; CN 102803302 A 20121128; EP 2547703 A1 20130123; JP 2013522403 A 20130613; RU 2012143697 A 20140420

DOCDB simple family (application)

EP 2011053498 W 20110309; BR 112012023050 A 20110309; CN 201180014390 A 20110309; EP 11706846 A 20110309; JP 2012557484 A 20110309; RU 2012143697 A 20110309