

Title (en)
DRAWN ABSORBENT POLYMER FIBERS

Title (de)
GEZOGENE ABSORBIERENDE POLYMERFASERN

Title (fr)
FIBRES POLYMERES ABSORBANTES TENDUES

Publication
EP 1565599 A1 20050824 (DE)

Application
EP 03767694 A 20031128

Priority
• DE 10255418 A 20021128
• EP 0313396 W 20031128

Abstract (en)
[origin: WO2004048648A1] The invention relates to a method for producing a polymer fiber, which absorbs an aqueous phase or water and which consists of a composition containing a polymer (A1) and water in a quantity of at least 10 % by weight with regard to the total weight of the polymer (A1). At least two different areas of the polymer (A1) are moved away from one another by a free stretching resulting from the action of an external force. The invention also relates to a device for producing these fibers, to an absorbent polymer fiber, and to the use of this absorbent polymer fiber and of said device.

IPC 1-7
D01D 5/00; **D01D 10/00**; **D01F 6/16**

IPC 8 full level
D01D 5/00 (2006.01); **D01D 10/00** (2006.01); **D01F 6/16** (2006.01)

CPC (source: EP US)
D01D 5/00 (2013.01 - EP US); **D01D 10/00** (2013.01 - EP US); **D01F 6/16** (2013.01 - EP US); **Y10T 428/2913** (2015.01 - EP US)

Citation (search report)
See references of WO 2004048648A1

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 PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004048648 A1 20040610; AU 2003292148 A1 20040618; BR 0316713 A 20051018; CN 1720357 A 20060111; DE 10255418 A1 20040617; EP 1565599 A1 20050824; JP 2006508265 A 20060309; US 2006057375 A1 20060316

DOCDB simple family (application)
EP 0313396 W 20031128; AU 2003292148 A 20031128; BR 0316713 A 20031128; CN 200380104607 A 20031128; DE 10255418 A 20021128; EP 03767694 A 20031128; JP 2004554514 A 20031128; US 53619905 A 20051028