

Title (en)

HIGH-STRENGTH, HIGH-MODULUS AND HIGH-MELTING POINT PVA FIBER AND METHOD FOR MANUFACTURING SAME

Title (de)

HOCHFESTE PVA-FASER MIT HOHEM MODULUS UND HOHEM SCHMELZPUNKT SOWIE HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

FIBRE D'ALCOOL POLYVINYLIQUE À HAUTE RÉSISTANCE, À MODULE ÉLEVÉ ET À POINT DE FUSION ÉLEVÉ ET PROCÉDÉ DE FABRICATION DE CETTE DERNIÈRE

Publication

EP 2746434 A4 20150401 (EN)

Application

EP 12824445 A 20120625

Priority

- CN 201110238175 A 20110818
- CN 2012000871 W 20120625

Abstract (en)

[origin: EP2746434A1] A high-strength, high-modulus and high-melting point PVA fiber is a PVA fiber, manufactured by using a boron-containing gel-wet spinning method, having the strength greater than or equal to 13.5 CN/dtex, the modulus greater than or equal to 320 CN/dtex, the initial melting point greater than or equal to 108°C, the total stretching multiple up to 13.0#¼14.5 times . The product has excellent performance and wide application range and is appropriate for the field of high-end industries. Also disclosed is a method for manufacturing the fiber.

IPC 8 full level

D01F 6/50 (2006.01); **D01D 1/02** (2006.01); **D01D 5/06** (2006.01); **D01F 1/10** (2006.01); **D01F 6/14** (2006.01)

CPC (source: EP)

D01D 1/02 (2013.01); **D01D 5/06** (2013.01); **D01F 1/10** (2013.01); **D01F 6/14** (2013.01)

Citation (search report)

- [X] EP 0338534 A2 19891025 - KURARAY CO [JP]
- [X] EP 0239044 A2 19870930 - BIOMATERIALS UNIVERSE INC [JP]
- [I] GB 917355 A 19630206 - KURASHIKI RAYON KK
- [XI] EP 0313068 A2 19890426 - KURARAY CO [JP]
- [I] US 3826298 A 19740730 - KOUSAKA S, et al
- [XI] JP S6285013 A 19870418 - KURARAY CO
- [XI] EP 0395048 A2 19901031 - KURARAY CO [JP]
- [XI] JP H03167310 A 19910719 - KURARAY CO
- See references of WO 2013023432A1

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)

EP 2746434 A1 20140625; **EP 2746434 A4 20150401**; BR 112013016774 A2 20170926; CN 102337605 A 20120201; CN 102337605 B 20130306; WO 2013023432 A1 20130221

DOCDB simple family (application)

EP 12824445 A 20120625; BR 112013016774 A 20120625; CN 201110238175 A 20110818; CN 2012000871 W 20120625