

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

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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

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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

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