

Title (en)
ACRYLIC FIBERS, METHOD FOR MANUFACTURING SAME, AND SPUN YARN AND KNITTED FABRIC USING SAID FIBERS

Title (de)
ACRYLFASERN, VERFAHREN ZUR HERSTELLUNG DAVON UND SPINNGARN UND MASCHENWARE MIT DEN BESAGTEN FASERN

Title (fr)
FIBRES ACRYLIQUES, PROCÉDÉ POUR DE FABRICATION DE CES DERNIÈRES, AINSI QUE FILÉ ET TISSU TRICOTÉ FAISANT APPEL AUXDITES FIBRES

Publication
EP 3138940 A4 20170426 (EN)

Application
EP 15786320 A 20150428

Priority
• JP 2014093278 A 20140430
• JP 2015062863 W 20150428

Abstract (en)
[origin: EP3138940A1] Provided are: acrylic fibers having 2-7% boiling water shrinkage and formed by the side-by-side conjugation of a copolymer A, which contains 5-10 mass% of an unsaturated monomer that can form a copolymer with acrylonitrile units, and a copolymer B, which contains 2-5 mass% of unsaturated monomer units that can form a copolymer with acrylonitrile units and 0.2-1.5 mass% of sulfonic acid group-containing monomer units; a method for manufacturing said fibers; a spun yarn containing said fibers; and a knitted fabric obtained from said spun yarn. The single fiber fineness of the heat-treated acrylic fibers is 1.7-6.6 dtex, the bulkiness is at least 380 cm³/g, the percentage of crimp is at least 15%, and the product (DKSDKE) of the knot strength (cN/dtex) and the knot elongation (%) is 10-25. The acrylic fibers have excellent crimp characteristics and anti-pilling properties.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)
• [X] GB 2007587 A 19790523 - MITSUBISHI RAYON CO
• [YA] JP H10266019 A 19981006 - MITSUBISHI RAYON CO
• [YA] JP 2004044026 A 20040212 - MITSUBISHI RAYON CO
• [A] JP H10237721 A 19980908 - MITSUBISHI RAYON CO
• See references of WO 2015166956A1

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CN107675346A

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