

Title (en)

Thermochromic acrylic synthetic fiber, its processed article, and process for producing thermochromic acrylic synthetic fiber

Title (de)

Thermochromische synthetische Acrylfasern, daraus hergestellte Artikel und Herstellungsverfahren

Title (fr)

Fibres synthétiques acryliques thermochromiques, articles produits à partir de celles-ci et procédé pour leur fabrication

Publication

EP 1221500 A1 20020710 (EN)

Application

EP 01300031 A 20010104

Priority

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Abstract (en)

A thermochromic acrylic synthetic fiber comprising an acrylonitrile polymer in which a thermochromic pigment composition with an average particle diameter of from 0.5 μ m to 30 μ m is dispersedly contained in an amount of from 0.5% by weight to 40% by weight based on the weight of the polymer, and being made into fibers; the pigment composition containing (a) an electron-donating color-developing organic compound, (b) an electron-accepting compound and (c) a reaction medium that determines the temperature at which the color-developing reaction of the both compounds takes place. Also disclosed are a processed article of the above thermochromic acrylic synthetic fiber, and a process for producing the thermochromic acrylic synthetic fiber.

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D01F 6/18; **D01F 1/04**

IPC 8 full level

D01F 1/04 (2006.01); **D01F 6/18** (2006.01)

CPC (source: EP)

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