

Title (en)

Polytetrafluoroethylene fiber and method for manufacturing the same

Title (de)

Polytetrafluorethylenfaser und Verfahren zu deren Herstellung

Title (fr)

Fibre de polytétrafluoroéthylène et son procédé de production

Publication

**EP 1574603 B1 20091028 (EN)**

Application

**EP 05005155 A 20050309**

Priority

- JP 2004065889 A 20040309
- JP 2004290687 A 20041001

Abstract (en)

[origin: EP1574603A1] A polytetrafluoroethylene (PTFE) fiber includes a filament (1) obtained by partially slitting an oriented PTFE film in a lengthwise direction of the film. Emboss processing is conducted linearly along the lengthwise direction of the film and like a zigzag shape or a convexo-concave shape in a width direction of the film, followed by slitting, whereby the filament (1) includes a network structure (3) in which single fibrils (2) that are opened partially are arranged regularly. A PTFE short fiber is obtained by cutting the above filament and includes a branch structure. Thereby, a PTFE fiber with a small average fineness of single fibrils, a uniform fineness and a single-peak distribution with the peak at a center of fineness and with a high production yield and uniform and stable branch structure can be provided and a method for manufacturing the PTFE fiber can be provided. <IMAGE>

IPC 8 full level

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