

Title (en)

Process for producing polyacrylonitrile-based carbon fiber.

Title (de)

Verfahren zur Herstellung von aus Polyacrylnitril hergestellten Kohlenstoffasern.

Title (fr)

Procédé de production de fibres de carbone à base de polyacrylonitrile.

Publication

EP 0098025 A2 19840111 (EN)

Application

EP 83200964 A 19830628

Priority

US 39339282 A 19820629

Abstract (en)

A polyacrylonitrile-based carbon fiber having both high Young's modulus and high tensile strength is disclosed along with a method for producing the same. The fiber is produced by winding an infusibilized polyacrylonitrile fiber onto a stable bobbin, carbonizing the fiber on the bobbin and subjecting the carbonized fiber to a heat treatment in a threadline operation.

IPC 1-7

D01F 9/22

IPC 8 full level

D01F 9/22 (2006.01)

CPC (source: EP)

D01F 9/22 (2013.01)

Cited by

JP2010229573A

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0098025 A2 19840111; EP 0098025 A3 19860326; EP 0098025 B1 19890524; CA 1181555 A 19850129; DE 3379907 D1 19890629; JP H0213046 B2 19900403; JP S5953720 A 19840328

DOCDB simple family (application)

EP 83200964 A 19830628; CA 429671 A 19830603; DE 3379907 T 19830628; JP 11528283 A 19830628