

Title (en)

METHOD FOR PREPARING A REGENERATED CELLULOSE FIBRE OR YARN

Title (de)

VERFAHREN ZUR HERSTELLUNG VON FASERN ODER FILAMENTEN AUS REGENERierter ZELLULOSE

Title (fr)

PROCEDE DE PREPARATION D'UNE FIBRE OU D'UN FIL DE CELLULOSE REGENeree

Publication

EP 1025291 A1 20000809 (FR)

Application

EP 98951556 A 19981026

Priority

- FR 9802289 W 19981026
- FR 9713662 A 19971027

Abstract (en)

[origin: US6555678B1] A method has been developed for making regenerated cellulose yarn. The method includes the steps of spinning a solution derived from cellulose or a cellulose derivative in a molten state through at least one extrusion die, then regenerating the cellulose by treating the resulting yarn, wherein a silylated cellulose derivative is prepared by reaction with a silylating agent; the silylated cellulose is extracted from the synthesis reaction medium; then spun through at least an extrusion die; and the resultant yarn treated with a desilylation agent to regenerate the cellulose and a siloxane. The resulting cellulose yarns or fibers may be used for making woven or knitted textile surfaces or non-woven surfaces. Said yarns or fibers are also useful as reinforcing fibers in elastomeric materials and more particularly, in tires.

IPC 1-7

D01F 2/00; **C08B 15/05**

IPC 8 full level

C08B 15/05 (2006.01); **D01F 2/00** (2006.01); **D01F 2/24** (2006.01)

CPC (source: EP US)

D01F 2/00 (2013.01 - EP US); **D01F 2/24** (2013.01 - EP US)

Designated contracting state (EPC)

AT DE ES FI FR GB IT NL

DOCDB simple family (publication)

US 6555678 B1 20030429; AT E237011 T1 20030415; AU 9752098 A 19990517; CA 2307739 A1 19990506; CA 2307739 C 20030708; DE 69813276 D1 20030515; DE 69813276 T2 20040205; EP 1025291 A1 20000809; EP 1025291 B1 20030409; FR 2770232 A1 19990430; FR 2770232 B1 20000114; JP 2001521072 A 20011106; JP 3222122 B1 20011022; RU 2221907 C2 20040120; WO 9922051 A1 19990506

DOCDB simple family (application)

US 53018800 A 20000925; AT 98951556 T 19981026; AU 9752098 A 19981026; CA 2307739 A 19981026; DE 69813276 T 19981026; EP 98951556 A 19981026; FR 9713662 A 19971027; FR 9802289 W 19981026; JP 2000518136 A 19981026; RU 2000113207 A 19981026