

Title (en)

METHOD FOR PRODUCING CARBON FIBRES FROM CELLULOSE FIBRES TREATED WITH SULPHONIC ACID SALTS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON CARBONFASERN AUS MIT SULFONSÄURESALZEN BEHANDELTEN CELLULOSEFASERN

Title (fr)

PROCÉDÉ DE PRODUCTION DE FIBRES DE CARBONE À PARTIR DE FIBRES DE CELLULOSE TRAITÉES AVEC DES SELS D'ACIDE SULFONIQUE

Publication

EP 3414374 C0 20230607 (DE)

Application

EP 17705035 A 20170201

Priority

- EP 16155261 A 20160211
- EP 2017052079 W 20170201

Abstract (en)

[origin: WO2017137285A1] The invention relates to a method for producing carbon fibres from cellulose fibres, characterised in that cellulose fibres, which contain a sulfonic acid salt of formula (I), wherein R1 represents a hydrocarbon group and K+ represents a cation, are converted into carbon fibers.

IPC 8 full level

D01F 9/16 (2006.01); **D01F 2/00** (2006.01); **D06M 13/256** (2006.01); **D06M 13/463** (2006.01)

CPC (source: EP US)

D01F 2/00 (2013.01 - EP US); **D01F 2/02** (2013.01 - US); **D01F 9/16** (2013.01 - EP US); **D01F 11/02** (2013.01 - US); **D06M 13/256** (2013.01 - EP US); **D06M 2101/06** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Participating member state (EPC – UP)

AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)

WO 2017137285 A1 20170817; CA 3014258 A1 20170817; CA 3014258 C 20231219; EP 3414374 A1 20181219; EP 3414374 B1 20230607; EP 3414374 B8 20230719; EP 3414374 C0 20230607; ES 2954633 T3 20231123; PL 3414374 T3 20230925; US 10995429 B2 20210504; US 2019062954 A1 20190228

DOCDB simple family (application)

EP 2017052079 W 20170201; CA 3014258 A 20170201; EP 17705035 A 20170201; ES 17705035 T 20170201; PL 17705035 T 20170201; US 201716077356 A 20170201