

Title (en)

WET SPINNING METHOD FOR PRODUCING A LIGNIN-CONTAINING FIBER AS A PRECURSOR FOR A CARBON FIBER

Title (de)

NASSSPINNVERFAHREN ZUR HERSTELLUNG EINER LIGNINHALTIGEN FASER ALS PRECURSOR FÜR EINE KOHLENSTOFFFASER

Title (fr)

PROCÉDÉ DE FILAGE AU MOUILLÉ POUR LA PRODUCTION D'UNE FIBRE CONTENANT DE LA LIGNINE UTILISÉE COMME PRÉCURSEUR POUR UNE FIBRE DE CARBONE

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Application

EP 16702897 A 20160126

Priority

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Abstract (en)

[origin: WO2017129231A1] The invention relates to a method for producing a precursor fiber which is suitable for further processing into carbon and activated carbon fibers. The method is a wet spinning method in which a spinning solution consisting of lignin or lignin derivatives, cellulose carbamate, and alkali lye are pressed through the holes of a nozzle and introduced directly into a coagulation bath. The precursor fibers falling into the bath can undergo different additional method steps: they can be stretched, post-treated, dried at an increased temperature, and wound. Because the precursor fibers constitute an inexpensive starting material, the precursor fibers can be used in connection with the production of carbon and activated carbon fibers.

IPC 8 full level

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