

Title (en)
Regenerated cellulose fibre

Title (de)
Regenerierte Cellulosefaser

Title (fr)
Fibre de cellulose régénérée

Publication
EP 2889401 A1 20150701 (DE)

Application
EP 13199757 A 20131230

Priority
EP 13199757 A 20131230

Abstract (de)
Die vorliegende Erfindung betrifft eine regenerierte Cellulosefaser, enthaltend Organosolv-Lignin. Die erfindungsgemäße Faser weist bevorzugt einen Gehalt an Organosolv-Lignin von 5% bis 90%, bevorzugt 10% bis 70%, besonders bevorzugt 20% bis 50%, bezogen auf Faser, auf. Weiters bevorzugt kann die Faser ein weiteres, von Organosolv-Lignin unterschiedliches Lignin enthalten.

IPC 8 full level
D01F 2/00 (2006.01); **D01F 2/08** (2006.01); **D01F 2/10** (2006.01); **D01F 9/17** (2006.01)

CPC (source: EP)
D01F 2/08 (2013.01); **D01F 2/10** (2013.01); **D01F 9/17** (2013.01)

Citation (search report)

- [A] US 4215212 A 19800729 - FRANKS NEAL E [US]
- [A] WO 0226877 A2 20020404 - ARACO KK [JP], et al
- [A] URAKI Y ET AL: "Preparation of Carbon Fibres from organosolv Lignin obtained by aqueous acetic acid pulping", HOLZFORSCHUNG : INTERNATIONAL JOURNAL OF THE BIOLOGY, CHEMISTRY, PHYSICS AND TECHNOLOGY OF WOOD, WALTER DE GRUYTER GMBH & CO., BERLIN, DE, vol. 4, 1 January 1995 (1995-01-01), pages 343 - 350, XP009163127, ISSN: 0018-3830, DOI: 10.1515/HFSG.1995.49.4.343
- [A] JIE LUO ET AL: "PEER-REVIEWED ARTICLE LIGNIN RECOVERED FROM THE NEAR-NEUTRAL HEMICELLULOSE EXTRACTION PROCESS AS A PRECURSOR FOR CARBON FIBER", 23 September 2011 (2011-09-23), XP055116836, Retrieved from the Internet <URL:http://www.ncsu.edu/bioresources/BioRes_06/BioRes_06_4_4566_Luo_GCF_Lignin_Based_Carbon_Fiber_1219.pdf> [retrieved on 20140507]
- [A] XU F ET AL: "Comparative study of organosolv lignins from wheat straw", INDUSTRIAL CROPS AND PRODUCTS, ELSEVIER, NL, vol. 23, no. 2, 1 March 2006 (2006-03-01), pages 180 - 193, XP028001284, ISSN: 0926-6690, [retrieved on 20060301], DOI: 10.1016/J.INDCROP.2005.05.008

Cited by
CN106149081A

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2889401 A1 20150701; EP 2889401 B1 20160224; EP 2889401 B2 20200429

DOCDB simple family (application)
EP 13199757 A 20131230