

Title (en)
PROCESSES TO PRODUCE SHORT CUT MICROFIBERS

Title (de)
VERFAHREN ZUR HERSTELLUNG KURZ GESCHNITTENER MIKROFASERN

Title (fr)
PROCÉDÉS PERMETTANT DE PRODUIRE DES MICROFIBRES COURTES

Publication
EP 2809413 B1 20180124 (EN)

Application
EP 13743548 A 20130124

Priority

- US 201261592917 P 20120131
- US 201261592867 P 20120131
- US 201261592974 P 20120131
- US 201261592876 P 20120131
- US 201261592854 P 20120131
- US 201213687493 A 20121128
- US 201213687472 A 20121128
- US 201213687505 A 20121128
- US 201213687466 A 20121128
- US 201213687478 A 20121128
- US 2013022835 W 20130124

Abstract (en)
[origin: WO2013116066A1] A process for producing a microfiber product stream is provided comprising: (A) contacting cut multicomponent fibers having a length of less than 25 millimeters with a heated aqueous stream in a fiber opening zone to remove a portion of the water dispersible sulfopolyester to produce an opened microfiber slurry; wherein the heated aqueous stream is at a temperature of at least 40°C; and (B) routing the opened microfiber slurry to a primary solid liquid separation zone to produce the microfiber product stream and a first mother liquor stream; wherein the first mother liquor stream comprises water and the water dispersible sulfopolyester.

IPC 8 full level
G10L 15/26 (2006.01)

CPC (source: CN EP US)
D04H 1/43828 (2020.05 - CN EP US); **D04H 1/4383** (2020.05 - CN EP US); **D04H 1/43832** (2020.05 - CN EP US);
D04H 1/43835 (2020.05 - CN EP US); **D04H 1/43838** (2020.05 - CN EP US); **D04H 1/72** (2013.01 - CN EP); **D01F 8/14** (2013.01 - CN EP)

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

DOCDB simple family (publication)
WO 2013116066 A1 20130808; BR 112014018705 A2 20170620; BR 112014018705 A8 20170711; BR 112014018706 A2 20170620; BR 112014018706 A8 20170711; BR 112014018711 A2 20170620; BR 112014018711 A8 20170711; CN 104520484 A 20150415; CN 104520484 B 20170623; CN 104736752 A 20150624; CN 104736752 B 20181120; CN 104736753 A 20150624; CN 104736753 B 20170721; DK 2809412 T3 20180122; DK 2809413 T3 20180319; DK 2810276 T3 20180122; EP 2809412 A2 20141210; EP 2809412 A4 20160309; EP 2809412 B1 20171122; EP 2809413 A2 20141210; EP 2809413 A4 20160309; EP 2809413 B1 20180124; EP 2810276 A2 20141210; EP 2810276 A4 20160309; EP 2810276 B1 20171122; JP 2015515387 A 20150528; JP 2015518092 A 20150625; JP 2015519480 A 20150709; JP 6192662 B2 20170906; JP 6193267 B2 20170906; JP 6374794 B2 20180815; KR 102061372 B1 20191231; KR 102074008 B1 20200205; KR 102100519 B1 20200413; KR 20140119783 A 20141010; KR 20140119784 A 20141010; KR 20140119785 A 20141010; WO 2013116067 A2 20130808; WO 2013116067 A3 20150219; WO 2013116067 A8 20140828; WO 2013116068 A2 20130808; WO 2013116068 A3 20150219; WO 2013116069 A2 20130808; WO 2013116069 A3 20150219; WO 2013116069 A8 20140904; WO 2013116070 A1 20130808; WO 2013116070 A8 20130919

DOCDB simple family (application)
US 2013022830 W 20130124; BR 112014018705 A 20130124; BR 112014018706 A 20130124; BR 112014018711 A 20130124; CN 201380015548 A 20130124; CN 201380015550 A 20130124; CN 201380015558 A 20130124; DK 13743534 T 20130124; DK 13743548 T 20130124; DK 13744040 T 20130124; EP 13743534 A 20130124; EP 13743548 A 20130124; EP 13744040 A 20130124; JP 2014555584 A 20130124; JP 2014555585 A 20130124; JP 2014555586 A 20130124; KR 20147024039 A 20130124; KR 20147024041 A 20130124; KR 20147024046 A 20130124; US 2013022832 W 20130124; US 2013022834 W 20130124; US 2013022835 W 20130124; US 2013022838 W 20130124