

Title (en)
POLYPHENYLENE SULFIDE COMPOSITE FIBER AND NON-WOVEN FABRIC

Title (de)
POLYPHENYLENSULFIDVERBUNDFASER UND VLIESTOFF

Title (fr)
FIBRE COMPOSITE DE POLYSULFURE DE PHÉNYLÈNE ET ÉTOFFE NON TISSÉE

Publication
EP 2899303 B1 20170621 (EN)

Application
EP 13839069 A 20130918

Priority
• JP 2012208019 A 20120921
• JP 2012208020 A 20120921
• JP 2013075134 W 20130918

Abstract (en)
[origin: EP2899303A1] Provided are a composite fiber which consists primarily of resins comprising polyphenylene sulfide as their main constituents and which has both thermal dimensional stability and excellent thermal bondability, and a nonwoven fabric. The composite fiber consists primarily of component A and component B, the component A being a resin that comprises polyphenylene sulfide as its main constituent, the component B being a resin that comprises polyphenylene sulfide as its main constituent, having a higher melt flow rate than the component A, and forming at least part of the surface of the fiber.

IPC 8 full level
D01F 8/16 (2006.01); **D04H 3/009** (2012.01); **D04H 3/147** (2012.01)

CPC (source: EP US)
D01F 8/16 (2013.01 - EP US); **D04H 1/4291** (2013.01 - EP US); **D04H 1/43828** (2020.05 - EP US); **D04H 1/4383** (2020.05 - EP US); **D04H 1/43832** (2020.05 - EP US); **D04H 3/009** (2013.01 - EP US); **D04H 3/14** (2013.01 - EP US); **D04H 3/147** (2013.01 - EP US); **D04H 3/16** (2013.01 - EP US); **Y10T 428/2929** (2015.01 - EP US); **Y10T 442/641** (2015.04 - 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

DOCDB simple family (publication)
EP 2899303 A1 20150729; EP 2899303 A4 20160601; EP 2899303 B1 20170621; CN 104641027 A 20150520; CN 104641027 B 20170308; JP 6102932 B2 20170329; JP WO2014046120 A1 20160818; KR 102030381 B1 20191010; KR 20150056524 A 20150526; US 2015240390 A1 20150827; WO 2014046120 A1 20140327

DOCDB simple family (application)
EP 13839069 A 20130918; CN 201380048763 A 20130918; JP 2013075134 W 20130918; JP 2014536871 A 20130918; KR 20157002349 A 20130918; US 201314429957 A 20130918