

Title (en)
POLYPHENYLENE SULFIDE COMPOSITE FIBER AND NONWOVEN FABRIC

Title (de)
POLYPHENYLENSULFID-VERBUNDFASER UND VLIESTOFF

Title (fr)
FIBRE COMPOSITE DE POLY(SULFURE DE PHÉNYLÈNE) ET TISSU NON TISSÉ

Publication
EP 2690208 A4 20140820 (EN)

Application
EP 12760981 A 20120228

Priority
• JP 2011062745 A 20110322
• JP 2012054906 W 20120228

Abstract (en)
[origin: EP2690208A1] A polyphenylene sulfide composite fiber which consists primarily of component A and component B, the component A being a resin primarily containing polyphenylene sulfide made from p-phenylene sulfide as a primary unit, the component B being a resin primarily containing a copolymerized polyphenylene sulfide made from at least one kind of copolymerization unit other than p-phenylene sulfide, characterized in that at least one part of a fiber surface is made of component B. A thermally adhesive composite fiber and a nonwoven fabric which are made of a resin consisting primarily of polyphenylene sulfide and are excellent in heat resistance, flame retardancy and chemical resistance can be provided.

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

CPC (source: EP KR US)
D01F 8/04 (2013.01 - US); **D01F 8/16** (2013.01 - EP KR US); **D04H 1/43828** (2020.05 - EP KR US); **D04H 1/4383** (2020.05 - EP US); **D04H 1/43832** (2020.05 - EP KR US); **D04H 1/541** (2013.01 - KR); **D04H 3/009** (2013.01 - EP KR US); **D04H 3/14** (2013.01 - EP US); **D04H 3/147** (2013.01 - EP KR US); **D04H 3/16** (2013.01 - EP KR US); **Y10T 428/2929** (2015.01 - EP US); **Y10T 442/641** (2015.04 - EP US)

Citation (search report)
• [A] US 2009156075 A1 20090618 - ROLLIN JR PAUL ELLIS [US], et al
• [A] CN 101413149 A 20090422 - CHINESE TEXTILE ACADEMY [CN]
• [A] EP 0257228 A1 19880302 - TOTO KASEI KK [JP]
• See references of WO 2012127997A1

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DOCDB simple family (publication)
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