

Title (en)

POLYPHENYLENE SULFIDE MONOFILAMENT, METHOD FOR MANUFACTURING SAME, AND FIBER PACKAGE

Title (de)

POLYPHENYLENSULFIDMONOFILAMENT, VERFAHREN ZUR HERSTELLUNG DAVON UND FASERVERPACKUNG

Title (fr)

MONOFILAMENT DE SULFURE DE POLYPHÉNYLÈNE, SON PROCÉDÉ DE FABRICATION ET EMBALLAGE DE FIBRES

Publication

**EP 4112789 A1 20230104 (EN)**

Application

**EP 22773098 A 20220331**

Priority

- JP 2021062433 A 20210331
- JP 2021062434 A 20210331
- JP 2021065544 A 20210407
- JP 2022016959 W 20220331

Abstract (en)

A polyphenylene sulfide monofilament has a phenylene sulfide unit as a main structural unit and satisfies (1) to (5):(1) a fineness of 6 to 35 dtex;(2) a breaking strength of 3.4 cN/dtex or more;(3) a breaking elongation of 24% to 45%;(4) a 5% modulus of 1.0 to 1.6 cN/dtex; and(5) a 10% modulus of 1.4 to 2.3 cN/dtex.

IPC 8 full level

**D01F 6/76** (2006.01)

CPC (source: EP KR US)

**D01D 5/088** (2013.01 - US); **D01D 5/16** (2013.01 - EP); **D01D 7/00** (2013.01 - KR US); **D01D 10/02** (2013.01 - US); **D01F 6/74** (2013.01 - US); **D01F 6/76** (2013.01 - KR); **D01F 6/765** (2013.01 - EP); **D02J 1/22** (2013.01 - EP KR); **D10B 2331/14** (2013.01 - US); **D10B 2401/04** (2013.01 - US); **D10B 2401/063** (2013.01 - US)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

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