

Title (en)

EXTREMELY FINE POLYLACTIC ACID FIBER, FIBROUS STRUCTURE AND PROCESS FOR PRODUCING THESE

Title (de)

EXTREM FEINE POLYMILCHSÄUREFASER, FASERGEWEBE UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

FIBRE D'ACIDE POLYLACTIQUE EXTRÊMEMENT FINE, STRUCTURE FIBREUSE ET PROCÉDÉ POUR PRODUIRE CELLES-CI

Publication

**EP 1731633 A4 20071219 (EN)**

Application

**EP 05720436 A 20050303**

Priority

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- JP 2004074011 A 20040316

Abstract (en)

[origin: EP1731633A1] A fiber structure is obtained by spinning of a solution of an L-lactic acid condensate and a D-lactic acid condensate by electrospinning. It is possible to provide a fiber structure comprising fibers with extremely small fiber diameters, as well as excellent heat resistance and biodegradability.

IPC 8 full level

**D01F 6/62** (2006.01); **D01D 5/00** (2006.01); **D01D 5/04** (2006.01); **D01F 6/84** (2006.01); **D01F 6/92** (2006.01); **D04H 1/728** (2012.01)

CPC (source: EP KR US)

**D01D 5/00** (2013.01 - KR); **D01D 5/0038** (2013.01 - EP US); **D01F 6/62** (2013.01 - KR); **D01F 6/625** (2013.01 - EP US); **D01F 6/84** (2013.01 - EP US); **D04H 1/435** (2013.01 - KR); **D04H 1/56** (2013.01 - KR); **Y10T 428/2929** (2015.01 - EP US)

Citation (search report)

- [A] ZONG X ET AL: "Structure and process relationship of electrospun bioabsorbable nanofiber membranes", POLYMER, ELSEVIER SCIENCE PUBLISHERS B.V, GB, vol. 43, no. 16, July 2002 (2002-07-01), pages 4403 - 4412, XP004373517, ISSN: 0032-3861
- See references of WO 2005087988A1

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CN104029443A; US8182725B2; EP2135887A1; US8377353B2; WO2009045877A1; WO2009042837A1; US10443154B2; US11970790B2; WO2015155182A1

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