Title (en)
   BIELASTIC FABRIC AND ITS MANUFACTURING PROCESS

Title (de)
   BIELASTISCHER STOFF UND DESSEN HERSTELLUNGSVERFAHREN

Title (fr)
   TISSU BIÉLASTIQUE ET SON PROCÉDÉ DE FABRICATION

Publication
   EP 3162937 B1 20181010 (EN)

Application
   EP 15191811 A 20151028

Priority
   EP 15191811 A 20151028

Abstract (en)
   [origin: EP3162937A1] There are described a bielastic fabric comprising biopolyamide yarn and elastane yarn, having excellent elastic properties and high dimensional stability, and a cost-effective, efficient process for obtaining it.

IPC 8 full level
   D04B 1/18 (2006.01)

CPC (source: EP KR RU US)
   D04B 1/18 (2013.01 - EP KR RU US); **D06P 3/8204** (2013.01 - US); **D06P 5/02** (2013.01 - US); D10B 2331/02 (2013.01 - EP KR US); D10B 2331/06 (2013.01 - US); D10B 2331/08 (2013.01 - EP KR US); D10B 2331/12 (2013.01 - US); D10B 2401/061 (2013.01 - EP KR US)

Citation (opposition)
   Opponent : FULGAR S.p.A
   • US 2006021387 A1 20060202 - CHUANG CHENG-YUAN [TW], et al
   • M. MISRA ET AL.: "Bioplastics and green composites from renewable resources: where we are and future directions!", 26 August 2011 (2011-08-26), XP055624266
   • ANA MARIJA GRANCARIC ET AL.: "Bioplastics in Textiles", POLIMERI, vol. 34, no. 1, 24 April 2013 (2013-04-24), pages 9 - 14, XP002756640
   • S.R. KARMAKAR: "TEXTILE SCIENCE AND TECHNOLOGY 12 - CHEMICAL TECHNOLOGY IN THE PRE TREATMENT PROCESSES OF TEXTILES", 1999, ELSEVIER, article "Heat-Setting", pages: 5pp, 267 - 269, XP055624275
   • JAMES MARK: "Polymer Data Handbook", 1999, OXFORD UNIVERSITY PRESS, INC.,, article GEORGE APGAR: "Nylon 11", pages: 221 - 224, XP055624277
   • M. SENTHILKUMAR ET AL.: "Elastic Properties of Spandex Plated Cotton Knitted Fabric", JOURNAL OF THE INSTITUTION OF ENGINEERS, vol. 92, August 2011 (2011-08-01), India, pages 1 - 5, XP055624279

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 3162937 A1 20170503; **EP 3162937 B1 20181010**; CA 3002488 A1 20170504; CN 108368652 A 20180803; CN 108368652 B 20210330; ES 2692813 T3 20181205; KR 102639632 B1 20240223; KR 20180083867 A 20180723; PT 3162937 T 20181106; RU 2018113719 A 20191128; RU 2018113719 A3 20200203; RU 2741020 C2 20210125; TR 201815564 T4 20181121; US 2018313008 A1 20181101; US 2023151515 A1 20230518; WO 2017072127 A1 20170504

DOCDB simple family (application)
   EP 15191811 A 20151028; CA 3002488 A 20161025; CN 201680063201 A 20161025; EP 2016075700 W 20161025; ES 15191811 T 20151028; KR 20187014748 A 20161025; PT 15191811 T 20151028; RU 2018113719 A 20161025; TR 201815564 T 20151028; US 201615769988 A 20161025; US 202218090752 A 20221229