

Title (en)

CONTINUOUS FIBER LAYER COMPRISING AN ACTIVE SUBSTANCE ON THE BASIS OF BIO-POLYMERS, THE USE THEREOF, AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

WIRKSTOFFHALTIGE FASERNFLÄCHENGEBILDE AUF BASIS VON BIOPOLYMEREN, IHRE ANWENDUNGEN UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

STRUCTURES PLANES FIBREUSES À BASE DE BIOPOLYMÈRES QUI CONTIENNENT UN PRINCIPE ACTIF, LEURS APPLICATIONS ET LEURS PROCÉDÉS DE PRODUCTION

Publication

EP 2328567 A2 20110608 (DE)

Application

EP 09777749 A 20090807

Priority

- EP 2009005756 W 20090807
- EP 08162121 A 20080808
- EP 09156540 A 20090327
- EP 09777749 A 20090807

Abstract (en)

[origin: WO2010015419A2] The invention relates to continuous fiber layers comprising an active substance on the basis of bio-polymers, comprising a fibrous, bio-polymer active substance carrier, and at least one active substance associated with the carrier and releasable from the continuous fiber layer; to formulations comprising an active substance, said formulations comprising such continuous fiber layers; to the use of continuous fiber layers comprising an active substance for the production of formulations comprising an active substance; and to a method for the production of continuous fiber layers comprising an active substance. The invention further relates to corresponding continuous fiber layers comprising an active substance, and to the use thereof for the production of wound treatment and hygiene products, and to the respectively produced wound treatment and hygiene products.

IPC 8 full level

A61K 9/50 (2006.01); **A61K 9/70** (2006.01); **C07K 14/435** (2006.01)

CPC (source: EP US)

A01N 25/10 (2013.01 - US); **A61F 13/01012** (2024.01 - EP US); **A61K 8/64** (2013.01 - US); **A61K 9/2063** (2013.01 - EP US); **A61K 9/70** (2013.01 - EP US); **A61K 31/00** (2013.01 - EP US); **A61K 47/42** (2013.01 - US); **A61L 15/32** (2013.01 - US); **A61L 15/44** (2013.01 - EP US); **A61P 17/00** (2017.12 - EP); **A61Q 17/04** (2013.01 - US); **C07K 14/43586** (2013.01 - EP US); **A61F 2013/00221** (2013.01 - EP US); **A61F 2013/00731** (2013.01 - EP US); **A61L 2300/216** (2013.01 - EP US); **A61L 2300/604** (2013.01 - EP US)

Citation (search report)

See references of WO 2010015419A2

Citation (examination)

- WO 2007025719 A1 20070308 - UNIV MUENCHEN TECH [DE], et al
- WO 2008155304 A1 20081224 - BASF SE [DE], et al
- WO 2006008163 A2 20060126 - UNIV MUENCHEN TECH [DE], et al

Citation (third parties)

Third party :

- WO 2007025719 A1 20070308 - UNIV MUENCHEN TECH [DE], et al
- WO 2008155304 A1 20081224 - BASF SE [DE], et al
- WO 2007128378 A1 20071115 - UNIV MUENCHEN TECH [DE], et al
- WO 2007082936 A1 20070726 - BASF AG [DE], et al
- WO 03060099 A2 20030724 - NEXIA BIOTECH INC [CA], et al
- WO 2004000915 A2 20031231 - UNIV TUFTS [US], et al
- WO 2006008163 A2 20060126 - UNIV MUENCHEN TECH [DE], et al
- LAZARIS A. ET AL: "Spider silk fibers spun from soluble recombinant silk produced in mammalian cells", SCIENCE, vol. 295, no. 5554, 18 January 2002 (2002-01-18), AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, WASHINGTON, DC; US, pages 472 - 476, XP002243786
- SCHEIBEL T.: "Protein fibers as performance proteins: new technologies and applications", CURRENT OPINION IN BIOTECHNOLOGY, vol. 16, 1 January 2005 (2005-01-01), LONDON, GB, pages 427 - 433, XP002597847
- LIEBMANN B. ET AL: "Formulation of poorly water-soluble substances using self-assembling spider silkprotein", COLLOIDS AND SURFACES. A, PHYSICACHEMICAL AND ENGINEERING ASPECTS, vol. 331, no. 1-2, 10 December 2008 (2008-12-10), ELSEVIER, AMSTERDAM, NL, pages 126 - 132, XP025680788

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010015419 A2 20100211; **WO 2010015419 A3 20101021**; CN 102176904 A 20110907; CN 102176904 B 20140625; EP 2328567 A2 20110608; EP 2684562 A1 20140115; JP 2011530491 A 20111222; US 2011136669 A1 20110609; US 2014045695 A1 20140213

DOCDB simple family (application)

EP 2009005756 W 20090807; CN 200980139742 A 20090807; EP 09777749 A 20090807; EP 13188161 A 20090807; JP 2011521489 A 20090807; US 200913058141 A 20090807; US 201314062384 A 20131024