

Title (en)

SPUN-DYED FIBER AND METHOD FOR ITS MANUFACTURE

Title (de)

SPINNGEFÄRBTE FASER UND VERFAHREN ZUR DEREN HERSTELLUNG

Title (fr)

FIBRE TEINTE DANS LA MASSE ET SON PROCÉDÉ DE FABRICATION

Publication

EP 3696317 A1 20200819 (EN)

Application

EP 19020073 A 20190215

Priority

EP 19020073 A 20190215

Abstract (en)

This invention relates to a spun-dyed man-made cellulosic fiber with incorporated color pigment wherein the fiber contains a polycationic compound on its outer surface. Furthermore a method for the manufacture of such a fiber is disclosed.

IPC 8 full level

D06M 15/11 (2006.01); **D01F 1/04** (2006.01); **D01F 2/00** (2006.01); **D01F 2/14** (2006.01); **D06M 15/356** (2006.01); **D06M 15/61** (2006.01)

CPC (source: EP)

D01F 1/04 (2013.01); **D01F 2/00** (2013.01); **D01F 2/14** (2013.01); **D06M 15/11** (2013.01); **D06M 15/3562** (2013.01); **D06M 15/61** (2013.01);
D06M 2101/06 (2013.01)

Citation (applicant)

- WO 2004081279 A1 20040923 - CHEMIEFASER LENZING AG [AT], et al
- EP 0683251 A1 19951122 - HOECHST AG [DE]
- WO 2014118804 A1 20140807 - ADITYA BIRLA SCIENCE & TECHNOLOGY COMPANY LTD [IN]
- EP 1093536 B1 20031001 - TENCEL LTD [GB]
- AT 287905 B 19710210 - CHEMIEFASER LENZING AG
- YU Y.; ZHANG Y.: "Review of Study on Resin Dye-Fixatives on Cotton Fabrics", MODERN APPLIED SCIENCE, vol. 3, no. 10, October 2009 (2009-10-01)
- SHARIF ET AL.: "Role of quaternary ammonium salts", COLOR. TECHNOL., vol. 123, 2007, pages 8 - 17, XP001552515, DOI: doi:10.1111/j.1478-4408.2006.00053.X
- "Terminology of man-made fibres", 2009

Citation (search report)

- [XAI] GB 885462 A 19611228 - COURTAULDS LTD
- [A] WO 2015154110 A1 20151015 - CHEMIEFASER LENZING AG [AT]
- [A] US 2007180627 A1 20070809 - BECKER CHRISTOPH [DE]
- [A] EP 2977507 A1 20160127 - MITSUBISHI RAYON CO [JP]
- [A] JP S63303108 A 19881209 - NIPPON CATALYTIC CHEM IND

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3696317 A1 20200819; CN 113412350 A 20210917; EP 3924547 A1 20211222; TW 202041745 A 20201116; WO 2020165363 A1 20200820

DOCDB simple family (application)

EP 19020073 A 20190215; CN 202080014346 A 20200213; EP 2020053794 W 20200213; EP 20703503 A 20200213;
TW 108148377 A 20191230