

Title (en)
Improvement of specular gloss of viscose fiber

Title (de)
Verbesserung des Spiegelglanzes von Viskosefaser

Title (fr)
Amélioration du brillant spéculaire de fibre de viscose

Publication
EP 3048198 A1 20160727 (EN)

Application
EP 15000175 A 20150122

Priority
EP 15000175 A 20150122

Abstract (en)
Improvement of specular gloss of viscose fiber using nanocrystalline cellulose. The invention relates to a process for imparting gloss onto the surface of a viscose fiber material, characterized in that (v) a viscose fiber material is immersed in a liquid hydrophilic medium to give a swollen viscose fiber material, (vi) said swollen viscose fiber material is treated with a suspension or solution of nanocrystalline cellulose in a liquid hydrophilic medium, (vii) said treated viscose fiber material is washed with water and optionally with aqueous sulfuric acid, (viii) said washed viscose fiber material is dried.

IPC 8 full level
D06M 15/05 (2006.01)

CPC (source: EP)
D06M 15/05 (2013.01); **D06M 10/06** (2013.01); **D06M 11/55** (2013.01); **D06M 2101/06** (2013.01)

Citation (search report)

- [A] JP H08302566 A 19961119 - TOYO SENSHOKU KOGYO KK
- [A] CN 103161067 A 20130619 - ZHAO JIANPENG
- [A] CN 103590282 A 20140219 - GOLD EAST PAPER JIANGSU CO LTD
- [A] WO 2011075837 A1 20110630 - FPINNOVATIONS [CA], et al
- [A] DATABASE COMPENDEX [online] ENGINEERING INFORMATION, INC., NEW YORK, NY, US; 2012, ZHANG H ET AL: "Improvements of mechanical properties and specular gloss of polyurethane by modified nanocrystalline cellulose", XP002742579, Database accession no. E20130515954548 & BIORESOURCES 2012 NORTH CAROLINA STATE UNIVERSITY USA, vol. 7, no. 4, 2012, pages 5190 - 5199
- [A] NELSON DURAN ET AL: "Review of Cellulose Nanocrystals Patents: Preparation, Composites and General Applications", RECENT PATENTS ON NANOTECHNOLOGY, 1 January 2012 (2012-01-01), pages 16 - 28, XP055091208, Retrieved from the Internet <URL:<http://www.eurekaselect.com/openurl/content.php?genre=article&issn=18722105&volume=6&issue=1&spage=16>> [retrieved on 20150722]

Cited by
CN109750383A

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 3048198 A1 20160727; WO 2016116303 A1 20160728

DOCDB simple family (application)
EP 15000175 A 20150122; EP 2016050290 W 20160108