

Title (en)
METHOD FOR THE MANUFACTURE OF ANTIBACTERIAL VISCOSE FILAMENT RAYON AND A PRODUCT OBTAINED USING THAT METHOD

Title (de)
VERFAHREN ZUR HERSTELLUNG VON ANTIBAKTERIELLEM VISKOSEFILAMENTRAYON UND UNTER VERWENDUNG DAVON ERHALTENES PRODUKT

Title (fr)
PROCÉDÉ DE FABRICATION DE RAYONNE À BASE DE FILS DE VISCOSE ANTIBACTÉRIENNE ET PRODUIT OBTENU À L'AIDE DE CE PROCÉDÉ

Publication
EP 3555349 A1 20191023 (EN)

Application
EP 17832187 A 20171218

Priority
• BG 11242916 A 20161219
• BG 2017000034 W 20171218

Abstract (en)
[origin: WO2018112562A1] The antibacterial viscose rayon, according to the invention, is used for the manufacture of any type of textile articles, including items intended for medical use, ensuring a more lasting antibacterial and antifungal protection due to the uniform distribution of the antibacterial additive throughout the entire volume of the fibre. According to the invention, immediately before spinning, the viscose is mixed and homogenized with an antibacterial additive, and then spun following the classical procedure: the viscose solution, with required and strictly specified parameters is fed under pressure to the spinnerets of the spinning machine from which the cellulose solution enters a spin bath, where as a result of the chemical reactions in course is transformed into fibres subjected afterwards to a subsequent treatment. According to the invention, in the production of dope dyed antibacterial rayon, into the preliminarily prepared suspension composed of one or a couple of pigments, a specified amount of antibacterial additive is introduced, the obtained mix is homogenized and filtered, and then subjected to the classical stages of spinning and subsequent treatments.

IPC 8 full level
D01F 2/00 (2006.01); **D01F 2/08** (2006.01); **D01F 2/10** (2006.01); **D01F 2/14** (2006.01)

CPC (source: EP US)
D01F 2/00 (2013.01 - EP); **D01F 2/02** (2013.01 - US); **D01F 2/08** (2013.01 - EP); **D01F 2/10** (2013.01 - EP US); **D01F 2/14** (2013.01 - EP US); **D10B 2201/24** (2013.01 - US); **D10B 2401/13** (2013.01 - US)

Citation (search report)
See references of WO 2018112562A1

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)
WO 2018112562 A1 20180628; BG 112429 A 20180629; BG 67099 B1 20200630; EP 3555349 A1 20191023; US 2020032423 A1 20200130

DOCDB simple family (application)
BG 2017000034 W 20171218; BG 11242916 A 20161219; EP 17832187 A 20171218; US 201716469219 A 20171218