

Title (en)  
ANTIBACTERIAL AND DEODORIZING FINISHING AGENT COMPOSITION USING ECO-FRIENDLY BIOPOLYMER

Title (de)  
ANTIBAKTERIELLE UND DESODORIERENDE AUSRÜSTUNGSMITTELZUSAMMENSETZUNG MIT UMWELTFREUNDLICHEM BIOPOLYMER

Title (fr)  
COMPOSITION D'AGENT DE FINITION ANTIBACTÉRIEN ET DÉSODORISANT FAISANT INTERVENIR UN BIOPOLYMÈRE ÉCOLOGIQUE

Publication  
**EP 4144910 A4 20240221 (EN)**

Application  
**EP 20934124 A 20200429**

Priority

- KR 2020005690 W 20200429
- KR 20200051955 A 20200429

Abstract (en)  
[origin: EP4144910A1] The present invention relates to a method for preparing a textile finishing agent based on an eco-friendly, renewable, and biodegradable biopolymer, and, specifically, to a method for preparing a textile finishing agent, comprising the steps of: forming, at room temperature, a solution comprising an organic acid and the balance of a solvent; stirring chitosan and a base solvent in the solution; and preparing a solution in which a mineral material is dissolved.

IPC 8 full level  
**D06M 15/03** (2006.01); **D06M 11/13** (2006.01); **D06M 11/155** (2006.01); **D06M 11/46** (2006.01); **D06M 11/74** (2006.01); **D06M 11/79** (2006.01); **D06M 13/00** (2006.01); **D06M 13/148** (2006.01); **D06M 13/184** (2006.01); **D06M 13/207** (2006.01); **D06M 16/00** (2006.01)

CPC (source: EP KR US)  
**D06M 11/13** (2013.01 - EP KR US); **D06M 11/155** (2013.01 - EP KR); **D06M 11/46** (2013.01 - EP KR US); **D06M 11/74** (2013.01 - EP KR); **D06M 11/79** (2013.01 - EP KR US); **D06M 13/005** (2013.01 - EP KR US); **D06M 13/148** (2013.01 - KR); **D06M 13/184** (2013.01 - KR); **D06M 13/188** (2013.01 - EP); **D06M 13/192** (2013.01 - EP); **D06M 13/203** (2013.01 - EP); **D06M 13/207** (2013.01 - EP KR US); **D06M 15/03** (2013.01 - EP KR US); **D06M 16/00** (2013.01 - EP US); **D06M 2200/00** (2013.01 - US); **D10B 2401/13** (2013.01 - KR)

Citation (search report)

- [X] CN 109576988 A 20190405 - UNIV EASTERN LIAONING, et al
- [X] CN 108411515 A 20180817 - HAINING DINGQIAO YONGCHANG INTELLECTUAL PROPERTY DEPT
- [I] KR 20040079798 A 20040916 - CHOI CHANG HO
- See references of WO 2021221205A1

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 4144910 A1 20230308; EP 4144910 A4 20240221**; KR 102176052 B1 20201110; US 2023175198 A1 20230608; WO 2021221205 A1 20211104; WO 2021221205 A8 20211202

DOCDB simple family (application)  
**EP 20934124 A 20200429**; KR 20200051955 A 20200429; KR 2020005690 W 20200429; US 202017921130 A 20200429