

Title (en)

USE OF (HETERO)POLYOXOMETALATES FOR SIMULTANEOUSLY IMPARTING ANTIMICROBIAL PROPERTIES TO A SURFACE OF A SUBSTRATE AND REDUCING THE GROWTH OF A BIOFILM ON THE SURFACE OF THE SUBSTRATE

Title (de)

VERWENDUNG VON (HETERO)POLYOXOMETALLATEN ZUR GLEICHZEITIGEN ÜBERTRAGUNG ANTIMIKROBIELLER EIGENSCHAFTEN AUF EINE OBERFLÄCHE EINES SUBSTRATS UND ZUR VERRINGERUNG DES WACHSTUMS EINES BIOFILMS AUF DER OBERFLÄCHE DES SUBSTRATS

Title (fr)

UTILISATION DE (HÉTÉRO)POLYOXOMÉTALATES POUR CONFÉRER SIMULTANÉMENT DES PROPRIÉTÉS ANTIMICROBIENNES À UNE SURFACE D'UN SUBSTRAT ET RÉDUIRE LA CROISSANCE D'UN BIOFILM SUR LA SURFACE DU SUBSTRAT

Publication

EP 3383443 A1 20181010 (EN)

Application

EP 16806052 A 20161202

Priority

- EP 15197882 A 20151203
- EP 2016079571 W 20161202

Abstract (en)

[origin: EP3175867A1] The present invention relates to the use of at least one (hetero)polyoxometalate for simultaneously imparting antimicrobial properties to a surface of a substrate and reducing the growth of a biofilm on the surface of the substrate. Furthermore, the present invention relates to a substrate comprising a (hetero)polyoxometalate or a mixture of (hetero)polyoxometalates, wherein the substrate is selected from a polymer body, paint, varnish and coating.

IPC 8 full level

A61L 2/232 (2006.01); **A01N 25/10** (2006.01); **A01N 59/16** (2006.01); **A47J 31/44** (2006.01); **A61L 2/238** (2006.01); **C02F 1/72** (2006.01); **C09D 5/16** (2006.01); **D06F 35/00** (2006.01); **F24C 15/00** (2006.01); **F24C 15/20** (2006.01); **H05B 6/64** (2006.01)

CPC (source: EP)

A01N 25/10 (2013.01); **A01N 59/16** (2013.01); **A01N 59/26** (2013.01); **A61L 2/232** (2013.01); **A61L 2/238** (2013.01); **C02F 1/725** (2013.01); **C09D 5/1625** (2013.01); **C09D 7/63** (2017.12); **A61L 2/235** (2013.01); **A61L 9/18** (2013.01); **A61L 2202/11** (2013.01); **A61L 2202/23** (2013.01); **A61L 2209/21** (2013.01); **C02F 2303/04** (2013.01); **C02F 2303/20** (2013.01); **C08K 5/0058** (2013.01); **C08K 5/56** (2013.01)

C-Set (source: EP)

1. **A01N 59/16 + A01N 25/10 + A01N 33/12 + A01N 57/20**
2. **A01N 59/26 + A01N 25/10 + A01N 33/12 + A01N 57/20**
3. **A01N 25/10 + A01N 33/12 + A01N 57/20**

Citation (search report)

See references of WO 2017093475A1

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 3175867 A1 20170607; EP 3383443 A1 20181010; WO 2017093475 A1 20170608

DOCDB simple family (application)

EP 15197882 A 20151203; EP 16806052 A 20161202; EP 2016079571 W 20161202