

Title (en)

DISINFECTANT ALCOHOL-SOLUBLE QUATERNARY AMMONIUM POLYMERS

Title (de)

DESINFIZIERENDE UND ALKOHOLLÖSLICHE QUATERNÄRE AMMONIUMPOLYMERE

Title (fr)

POLYMÈRES D'AMMONIUM QUATERNAIRE DÉSINFECTANTS SOLUBLES DANS L'ALCOOL

Publication

**EP 2231761 A4 20130814 (EN)**

Application

**EP 09701395 A 20090108**

Priority

- US 2009030437 W 20090108
- US 1979808 P 20080108

Abstract (en)

[origin: WO2009089346A2] An alcohol- or glycol-soluble, water-insoluble, disinfectant composition and a method of using the same for disinfecting and for providing a prolonged antimicrobial property to a variety of surfaces, including skin. The composition comprises (1) at least one glycol or a mixture of at least one glycol and an alcohol and (2) an antimicrobial polymer that is capable of imparting an antimicrobial property to a surface without the use of a metal or a metal-containing compound. The composition is applied to a surface and allowed to evaporate leaving a coating of antimicrobial polymer on the substrate. Alternatively, the composition is incorporated into or within the substrate.

IPC 8 full level

**C08K 5/05** (2006.01); **A01N 25/10** (2006.01); **A61K 8/34** (2006.01); **A61K 8/87** (2006.01); **C08G 18/16** (2006.01); **C08G 18/28** (2006.01); **C08J 5/00** (2006.01); **C08K 5/00** (2006.01); **C08K 5/15** (2006.01); **C08L 75/04** (2006.01)

CPC (source: EP)

**A01N 25/10** (2013.01); **A01N 33/12** (2013.01); **A61K 8/345** (2013.01); **A61K 8/8152** (2013.01); **A61K 8/87** (2013.01); **A61P 31/02** (2017.12); **A61Q 17/005** (2013.01); **C08G 18/0814** (2013.01); **C08G 18/3206** (2013.01); **C08G 18/3218** (2013.01); **C08G 18/7621** (2013.01); **C08K 5/053** (2013.01); **C09D 175/12** (2013.01); **A61K 2800/524** (2013.01)

Citation (search report)

- [X] WO 0210244 A2 20020207 - 3M INNOVATIVE PROPERTIES CO [US]
- [X] US 6194530 B1 20010227 - KLESSE WOLFGANG [DE], et al
- [X] US 2002051754 A1 20020502 - SCHROEDER JOSEPH D [US], et al
- [X] NURDIN N ET AL: "BIOCIDAL POLYMERS ACTIVE BY CONTACT. II. BIOLOGICAL EVALUATION OF POLYURETHANE COATINGS WITH PENDANT QUATERNARY AMMONIUM SALTS", JOURNAL OF APPLIED POLYMER SCIENCE, JOHN WILEY & SONS, INC, US, vol. 50, no. 4, 20 October 1993 (1993-10-20), pages 663 - 670, XP000464159, ISSN: 0021-8995, DOI: 10.1002/APP.1993.070500411
- See references of WO 2009089346A2

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

**WO 2009089346 A2 20090716**; **WO 2009089346 A3 20090924**; AU 2009204189 A1 20090716; AU 2009204189 B2 20140116; BR PI0905679 A2 20150707; CN 101970560 A 20110209; EP 2231761 A2 20100929; EP 2231761 A4 20130814; JP 2011511103 A 20110407

DOCDB simple family (application)

**US 2009030437 W 20090108**; AU 2009204189 A 20090108; BR PI0905679 A 20090108; CN 200980107500 A 20090108; EP 09701395 A 20090108; JP 2010542339 A 20090108