

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)

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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

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