

Title (en)
POLYMER-BASED ANTIMICROBIAL AGENTS, METHODS OF MAKING SAID AGENTS, AND PRODUCTS AND APPLICATIONS USING SAID AGENTS

Title (de)
ANTIMIKROBIELLE MITTEL AUF POLYMERBASIS, VERFAHREN ZU IHRER HERSTELLUNG UND PRODUKTE UND ANWENDUNGEN MIT DIESEN MITTELEN

Title (fr)
AGENTS ANTIMICROBIENS A BASE DE POLYMERES, PROCEDES DE FABRICATION ASSOCIES, PRODUITS ET APLICATIONS METTANT EN UVRE LESDITS AGENTS

Publication
EP 2086511 A4 20120704 (EN)

Application
EP 07871421 A 20071109

Priority

- US 2007084269 W 20071109
- US 55802306 A 20061109
- US 55802706 A 20061109

Abstract (en)
[origin: WO2008058272A2] The present invention relates to antimicrobial agents, methods for the production of these agents, and the use of these agents. The antimicrobial agent of the present invention includes a water-soluble polymer and oligodynamic metal ions which interact with counter-ions of the polymer such that the metal ions are bound to corresponding counter-ions. The water-soluble polymer controls a sustained release of the metal ions. The oligodynamic metal ions preferably include small size metal particles (e.g., nano-sized silver particles) that interact to the water-soluble polymer as well as metal ions derived from one or more water-soluble oligodynamic metal compositions (e.g., metal sulfates and/or metal nitrates). The agent may also include one or more acids, including organic acids (such as sulfates, carboxylic acids, amines, hydroxyls, nitrates, and phosphates) and/or non-organic acids (such as boric acid and dioctylborate).

IPC 8 full level
A01N 25/10 (2006.01); **A01N 37/36** (2006.01); **A01N 59/14** (2006.01); **A01N 59/16** (2006.01); **A01N 59/20** (2006.01); **A61K 9/10** (2006.01); **A61K 9/14** (2006.01); **A61K 33/24** (2019.01); **A61K 45/06** (2006.01)

CPC (source: EP US)
A01N 25/10 (2013.01 - EP); **A01N 37/36** (2013.01 - EP); **A01N 59/14** (2013.01 - EP); **A01N 59/16** (2013.01 - EP); **A01N 59/20** (2013.01 - EP); **A61K 9/10** (2013.01 - EP); **A61K 33/24** (2013.01 - EP US); **A61K 45/06** (2013.01 - EP); **A61K 9/7015** (2013.01 - EP)

Citation (search report)

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- See references of WO 2008058272A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008058272 A2 20080515; **WO 2008058272 A3 20081002**; AU 2007317253 A1 20080515; BR PI0718703 A2 20140107; CA 2669334 A1 20080515; CO 6210718 A2 20101020; EP 2086511 A2 20090812; EP 2086511 A4 20120704; MX 2009004968 A 20090812

DOCDB simple family (application)
US 2007084269 W 20071109; AU 2007317253 A 20071109; BR PI0718703 A 20071109; CA 2669334 A 20071109; CO 09046861 A 20090508; EP 07871421 A 20071109; MX 2009004968 A 20071109