

Title (en)
ANTIMICROBIAL GLASS-CERAMICS

Title (de)
ANTIMIKROBIELLE GLASKERAMIK

Title (fr)
VITROCÉRAMIQUES ANTIMICROBIENNES

Publication
EP 2765856 A1 20140820 (EN)

Application
EP 12778187 A 20121012

Priority
• US 201161546302 P 201111012
• US 201213649499 A 20121011
• US 2012059872 W 20121012

Abstract (en)
[origin: WO2013055994A1] The application discloses the formation of antimicrobial glass ceramic articles having an amorphous phase and a crystalline phase and an antimicrobial agent selected from the group consisting of silver, copper and a mixture of silver and copper. The antimicrobial glass ceramic can have a Log Reduction of >2.

IPC 8 full level
A01N 25/08 (2006.01); **A01N 59/16** (2006.01); **A01N 59/20** (2006.01); **A01P 1/00** (2006.01)

CPC (source: EP)
A01N 59/16 (2013.01); **A01N 59/20** (2013.01)

Citation (search report)
See references of WO 2013055994A1

Citation (examination)
• ROY B ET AL: "Electrical conductance of silver nanoparticles grown in glass-ceramic", JOURNAL OF PHYSICS: CONDENSED MATTER, INSTITUTE OF PHYSICS PUBLISHING, BRISTOL, GB, vol. 2, no. 47, 26 November 1990 (1990-11-26), pages 9323 - 9334, XP020058876, ISSN: 0953-8984, DOI: 10.1088/0953-8984/2/47/007
• LV Y ET AL: "Silver nanoparticle-decorated porous ceramic composite for water treatment", JOURNAL OF MEMBRANE SCIENCE, ELSEVIER BV, NL, vol. 331, no. 1-2, 1 April 2009 (2009-04-01), pages 50 - 56, XP025966407, ISSN: 0376-7388, [retrieved on 20090114], DOI: 10.1016/J.MEMSCI.2009.01.007

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)
WO 2013055994 A1 20130418; CN 104080332 A 20141001; EP 2765856 A1 20140820; JP 2014534201 A 20141218;
TW 201321031 A 20130601

DOCDB simple family (application)
US 2012059872 W 20121012; CN 201280060196 A 20121012; EP 12778187 A 20121012; JP 2014535899 A 20121012;
TW 101137774 A 20121012