

Title (en)

BORON ADDED ANTIMICROBIAL JOINT SEALANT

Title (de)

ANTIMIKROBIELLE FUGENMASSE MIT BORZUSATZ

Title (fr)

AGENT DE SCELLEMENT ANTIMICROBIEN AU BORE

Publication

EP 3003043 A2 20160413 (EN)

Application

EP 14739271 A 20140603

Priority

- TR 201306616 A 20130603
- TR 2014000145 W 20140603

Abstract (en)

[origin: WO2014196940A2] The present invention relates to obtaining an antimicrobial joint sealant obtained by adding boron compounds therein. The surfaces of all kinds of raw materials and semi finished products produced from the joint sealant material of the present invention are protected against microbial contamination and degradation, corrosion and decay. In the invention wherein sodium borate ((Na₂O)(B₂O₃)5.10H₂O), zinc borate (2ZnO.3B₂O₃.3.5H₂O) and potassium borate (K₂B₄O₇.4H₂O) are used as boron derivatives; it is determined that Escherichia coli, Staphylococcus aureus, Pseudomonas aeruginosa, Botrytis spp., Aspergillus spp., Penicillium spp., Fusarium spp., Alternaria spp., Penicillium spp., and Candida spp. can be controlled by means of the said materials added to the joint sealant.

IPC 8 full level

A01N 55/08 (2006.01); **A01N 25/08** (2006.01); **A01N 25/34** (2006.01); **A01P 1/00** (2006.01); **A01P 3/00** (2006.01)

CPC (source: EP)

A01N 59/14 (2013.01)

Citation (search report)

See references of WO 2014196940A2

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 2014196940 A2 20141211; **WO 2014196940 A3 20150226**; EP 3003043 A2 20160413

DOCDB simple family (application)

TR 2014000145 W 20140603; EP 14739271 A 20140603