

Title (en)

USE OF A METHOD FOR PRODUCTION OF ANTIMICROBIAL OR ANTIBACTERIAL GLASSES OR GLASS CERAMICS

Title (de)

VERWENDUNG EINES VERFAHRENS ZUR HERSTELLUNG ANTIMIKROBIELLER ODER ANTIBAKTERIELLER GLÄSER ODER GLASKERAMIKEN

Title (fr)

UTILISATION D'UN PROCÉDÉ DE PRODUCTION DE VERRES ANTIMICROBIENS OU ANTIBACTÉRIENS OU DE VITROCÉRAMIQUE

Publication

**EP 2021296 A1 20090211 (DE)**

Application

**EP 07725643 A 20070530**

Priority

- EP 2007004752 W 20070530
- DE 102006026033 A 20060601

Abstract (en)

[origin: CA2653511A1] The invention relates to the use of a method for production of antimicrob ial or antibacterial glasses or glass ceramics, wherein known starting mater ials are fused, broken, or powdered, fed to an extruder, fused therein with addition of foaming agent, the foaming agent charged by the building pressur e in the glass melt, the above is then foamed to give a closed-pore foam on a subsequent pressure reduction to increase surface area and said foam subse quently subjected to a comminution process, wherein the glass particles gene rated in the comminution process become antimicrobial or antibacterial durin g an ion exchange or the antimicrobial or antibacterial properties thereof a re increased as a result of the ion exchange.

IPC 8 full level

**C03B 19/08** (2006.01); **C03C 11/00** (2006.01); **C03C 12/00** (2006.01); **C03C 21/00** (2006.01)

CPC (source: EP US)

**C03B 19/08** (2013.01 - EP US); **C03C 11/007** (2013.01 - EP US); **C03C 12/00** (2013.01 - EP US); **C03C 21/00** (2013.01 - EP US); **C03C 21/005** (2013.01 - EP US); **C03C 2204/02** (2013.01 - EP US)

Citation (search report)

See references of WO 2007137823A1

Cited by

US9919963B2; US10710928B2; US9512035B2; US9731998B2; US11370703B2

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)

**DE 102006026033 A1 20071206**; CA 2653511 A1 20071206; EP 2021296 A1 20090211; US 2010071415 A1 20100325; WO 2007137823 A1 20071206

DOCDB simple family (application)

**DE 102006026033 A 20060601**; CA 2653511 A 20070530; EP 07725643 A 20070530; EP 2007004752 W 20070530; US 30302607 A 20070530