

Title (en)

GLASS ITEM HAVING ANTI-MICROBIAL PROPERTIES

Title (de)

GLASARTIKEL MIT ANTIMIKROBIELLEN EIGENSCHAFTEN

Title (fr)

ARTICLE EN VERRE A PROPRIETES ANTIMICROBIENNES

Publication

EP 2598451 A1 20130605 (FR)

Application

EP 11735879 A 20110727

Priority

- EP 10170847 A 20100727
- EP 2011062868 W 20110727
- EP 11735879 A 20110727

Abstract (en)

[origin: WO2012013695A1] The invention relates to a glass item, at least one of the surfaces thereof having antimicrobial properties that are resistant to a temperature treatment, especially a temperature treatment in preparation of the subsequent tempering thereof. The glass item especially comprises an antimicrobial agent beneath the surface of the glass, and nanoparticles that are partially and/or totally incorporated into the mass of the glass close to said surface and consist of at least one inorganic component.

IPC 8 full level

C03C 4/00 (2006.01); **C03C 14/00** (2006.01)

CPC (source: EP US)

C03C 4/00 (2013.01 - EP US); **C03C 14/004** (2013.01 - EP US); **C03C 2204/02** (2013.01 - EP US); **C03C 2214/04** (2013.01 - EP US); **C03C 2214/08** (2013.01 - EP US)

Citation (search report)

See references of WO 2012013695A1

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

DOCDB simple family (publication)

WO 2012013695 A1 20120202; BR 112013002067 A2 20160524; EA 024442 B1 20160930; EA 201291385 A1 20130530; EP 2598451 A1 20130605; JP 2013532624 A 20130819; JP 5771273 B2 20150826; US 2013123091 A1 20130516; US 9040163 B2 20150526

DOCDB simple family (application)

EP 2011062868 W 20110727; BR 112013002067 A 20110727; EA 201291385 A 20110727; EP 11735879 A 20110727; JP 2013521120 A 20110727; US 201113810971 A 20110727