Title (en)

RESISTANCE FOR WATER HEATING WITH ENHANCED ANTIBACTERIAL EFFECT

Title (de)

WIDERSTAND ZUR WASSERERHITZUNG MIT VERSTÄRKTER ANTIBAKTERIELLER WIRKUNG

Title (fr)

RÉSISTANCE DESTINÉE AU CHAUFFAGE DE L'EAU À EFFET ANTIBACTÉRIEN ACCRU

Publication

EP 2628356 A4 20160406 (EN)

Application

EP 11832035 A 20111012

Priority

- CN 201010517939 A 20101014
- CN 2011080677 W 20111012

Abstract (en)

[origin: WO2012048638A1] An armoured resistance (2) for heating the water of an electric storage water heater or the sump of a laundry machine or a dishwasher is provided. The metal surface in contact with the water to be heated thereof is covered with a glass enamel, on the surface whereof metals (Ag, Cu, Zn) having antibacterial properties are deposited according to known techniques. The deposited metal is preferably silver and, even more preferably, it is in the form of nanoparticles.

IPC 8 full level

H05B 3/78 (2006.01); **A01N 59/16** (2006.01); **A01N 59/20** (2006.01); **A01P 1/00** (2006.01); **A47L 15/42** (2006.01); **C03C 8/00** (2006.01); **C03C 8/14** (2006.01); **C04B 41/86** (2006.01); **D06F 39/04** (2006.01); **F24H 1/20** (2006.01); **H05B 3/10** (2006.01); **H05B 3/48** (2006.01)

CPC (source: EP US)

A01N 59/16 (2013.01 - EP); **A01N 59/20** (2013.01 - EP); **C03C 8/00** (2013.01 - EP); **D06F 39/04** (2013.01 - EP US); **F24H 1/202** (2013.01 - EP); **H05B 3/48** (2013.01 - EP US); **H05B 3/78** (2013.01 - EP); A47L 15/4285 (2013.01 - EP); C03C 2204/02 (2013.01 - EP); H05B 2214/04 (2013.01 - EP)

Citation (search report)

- [XY] US 6303183 B1 20011016 - WILCZYNSKI MICHAEL [US], et al
- [Y] US 3129314 A 19640414 - HAGE WILLIAM T, et al
- [Y] JP 3023496 B2 20000321
- [Y] DE 102005013857 A1 20060928 - SCHOTT AG [DE]
- See references of WO 2012048638A1

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 2012048638 A1 20120419; CN 102457998 A 20120516; EP 2628356 A1 20130821; EP 2628356 A4 20160406; RU 161133 U1 20160410; RU 2013121817 A 20141120

DOCDB simple family (application)

CN 2011080677 W 20111012; CN 201010517939 A 20101014; EP 11832035 A 20111012; RU 2013121817 A 20111012; RU 2015145547 U 20111012