

Title (en)

FLAT DOMESTIC WATER HEATER WITH IMMERSSED INDIRECT HEATING ELEMENTS

Title (de)

FLACHER WARMWASSERBOILER FÜR DEN HAUSGEBRAUCH MIT INDIREKTEN EINGETAUCHTEN WIDERSTÄNDEN

Title (fr)

CHAUFFE EAU PLAT DOMESTIQUE A RESISTANCES INDIRECTES IMMERGEES

Publication

EP 3182032 A1 20170621 (FR)

Application

EP 16203427 A 20161212

Priority

FR 1562315 A 20151214

Abstract (en)

[origin: RU2737129C2] FIELD: electrical equipment.SUBSTANCE: invention relates to domestic water heater and to method of its operation. Domestic water heater comprises at least two reservoirs, each of which is treated by application of anticorrosion coating or is made of corrosion-resistant material, and each of which is intended to contain water for heating. Each reservoir contains at least one electric heating element located in the housing intended for immersion into water in the reservoir. Housing and reservoir are treated with the same anti-corrosive coating or are made from the same corrosion-resistant material. Housing is tightly connected to reservoir, and said at least one electrical heating element is surrounded by air inside housing so that water in reservoir is indirectly heated by radiation from said at least one electric heating element in housing.EFFECT: invention makes it possible to design household flat water heater, in which noise associated with boiling water is limited, and phenomenon of scaling formation is reduced.12 cl, 7 dwg

Abstract (fr)

L'invention concerne un chauffe-eau plat à usage domestique (10), caractérisé en ce qu'il comprend au moins deux cuves (12, 14) traitées chacune avec un revêtement anti-corrosion ou réalisées chacune dans un matériau anti-corrosion et destinées chacune à contenir de l'eau à chauffer, chaque cuve intégrant au moins une résistance électrique disposée dans un fourreau étanche (18,20) traité avec un revêtement anti-corrosion ou réalisé dans un matériau anti-corrosion et destiné à être immergé dans l'eau de la cuve.

IPC 8 full level

F24H 9/20 (2006.01); **F24H 1/20** (2006.01)

CPC (source: EP RU US)

F24H 1/202 (2013.01 - EP RU); **F24H 9/455** (2022.01 - EP RU US)

Citation (search report)

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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)

EP 3182032 A1 20170621; FR 3045139 A1 20170616; FR 3045139 B1 20190705; RU 2016148937 A 20180619; RU 2016148937 A3 20200319; RU 2737129 C2 20201124; UA 125167 C2 20220126

DOCDB simple family (application)

EP 16203427 A 20161212; FR 1562315 A 20151214; RU 2016148937 A 20161213; UA A201612710 A 20161213