

Title (en)

GLASS-COATED WATER HEATER CONSTRUCTED OF MULTIPLE METALS

Title (de)

GLASBESCHICHTETER, AUS MEHREREN METALLEN KONSTRUIERTER WASSERERHITZER

Title (fr)

CHAUFFE-EAU REVÊTU DE VERRE CONSTITUÉ DE PLUSIEURS MÉTAUX

Publication

EP 3441695 A1 20190213 (EN)

Application

EP 18186103 A 20180727

Priority

US 201715675232 A 20170811

Abstract (en)

A water heater (100) including a tank (110) for holding heated water made at least partially of mild steel, a heat exchanger for heating water made at least partially of stainless steel, an inlet (130) to add water to the tank (110), an outlet (135) to withdraw water from the tank (110), and an anode connected to the tank (110). An inner water-facing surface of the tank (110) is coated at least partially with a protective coating, and a water-facing surface of the heat exchanger is coated at least partially with a protective coating.

IPC 8 full level

F24H 9/00 (2006.01)

CPC (source: CN EP US)

F24H 1/165 (2013.01 - CN); **F24H 1/181** (2013.01 - EP US); **F24H 1/185** (2013.01 - EP US); **F24H 9/0042** (2013.01 - CN); **F24H 9/1836** (2013.01 - CN); **F24H 9/455** (2022.01 - CN EP US); **F28F 21/006** (2013.01 - US); **F28F 21/082** (2013.01 - US)

Citation (applicant)

US 7372005 B2 20080513 - KNOEPEL RAY OLIVER [US], et al

Citation (search report)

- [Y] US 2012291719 A1 20121122 - STEINHAFEL MICHAEL B [US]
- [Y] DE 202004017834 U1 20050203 - BBT THERMOTECHNIK GMBH [DE]
- [Y] US 2005095378 A1 20050505 - SCARPONE STEPHEN P [US]
- [A] WO 9844293 A2 19981008 - AOS HOLDING CO [US]
- [A] US 5855747 A 19990105 - LUSK DONALD I [US]

Cited by

DE102019000378A1; EP4113030A1; FR3124852A1

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 3441695 A1 20190213; CN 109386956 A 20190226; US 2019049146 A1 20190214

DOCDB simple family (application)

EP 18186103 A 20180727; CN 201810888986 A 20180807; US 201715675232 A 20170811