

Title (en)

A system and method for heating fluids, and an adapter for use with a boiler

Title (de)

System und Verfahren zum Erwärmen von Flüssigkeiten und Adapter zur Verwendung mit einem Kessel

Title (fr)

Système et procédé pour chauffer des fluides et adaptateur pour une utilisation avec une chaudière

Publication

**EP 2749819 A3 20140827 (EN)**

Application

**EP 13197862 A 20131217**

Priority

GB 201223481 A 20121228

Abstract (en)

[origin: EP2749819A2] A fluid heating system, comprising: a heater having an inlet and an outlet; a storage vessel; a fluid mixer having a first inlet for receiving fluid stored in or passing through the storage vessel, a second inlet for receiving fluid from a cold fluid supply, and an outlet for supplying fluid to the heater inlet; wherein in a first mode the heater is operable to heat fluid in the storage vessel, and in a second mode the fluid mixer is mixes fluid from or passing through the storage vessel with fluid from the cold fluid supply at a predefined volumetric ratio to provide mixed fluid to the inlet of the heater to be heated further to an output temperature.

IPC 8 full level

**F24D 3/08** (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP GB US)

**F24D 3/08** (2013.01 - EP US); **F24D 11/005** (2013.01 - GB); **F24D 17/0057** (2013.01 - GB); **F24H 1/0072** (2013.01 - US); **F24H 1/18** (2013.01 - US); **F24H 1/44** (2013.01 - US); **F24H 9/00** (2013.01 - US); **F24H 9/13** (2022.01 - GB); **F24H 9/14** (2013.01 - US); **Y10T 137/6497** (2015.04 - EP US)

Citation (search report)

- [XY] WO 2006051259 A1 20060518 - ZENEX TECHNOLOGIES LTD [GB], et al
- [Y] WO 9931441 A1 19990624 - JANDY IND INC [US], et al
- [Y] US 4406402 A 19830927 - HENRIQUES JOSEPH [US]
- [A] GB 2200439 A 19880803 - CARADON MIRA LTD
- [A] US 4462542 A 19840731 - PERSON THOMAS C [US]
- [A] EP 1139029 A2 20011004 - BOSCH GMBH ROBERT [DE]
- [A] EP 1249666 A2 20021016 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2749819 A2 20140702**; **EP 2749819 A3 20140827**; GB 201223481 D0 20130213; GB 2509327 A 20140702; GB 2509327 B 20160831; US 2014182521 A1 20140703

DOCDB simple family (application)

**EP 13197862 A 20131217**; GB 201223481 A 20121228; US 201314139497 A 20131223