

Title (en)
WATER HEATING APPARATUS AND SYSTEM

Title (de)
WASSERHEIZVORRICHTUNG UND -SYSTEM

Title (fr)
APPAREIL ET PROCÉDÉ DE CHAUFFE-EAU

Publication
EP 2082174 A1 20090729 (EN)

Application
EP 07818986 A 20071012

Priority
• EP 2007008915 W 20071012
• GB 0620262 A 20061013

Abstract (en)
[origin: WO2008043573A1] A fluid heating apparatus comprising a chamber for containing a quantity of fluid to be heated and a heating device in the chamber. The heating device comprises a hollow body having a flow inlet and a return outlet to allow a heating medium to flow through the hollow body. The hollow body has a first heat exchanging surface extending along the chamber between a fluid inlet and fluid outlet and defining a smooth, straight fluid passage between the inlet and outlet. The preferred apparatus takes the form of a thermosyphon and is particularly suited for use with a water storage tank, where it is arranged to cause thermosyphonic circulation of water between the thermosyphon and the tank.

IPC 8 full level
F24H 1/12 (2006.01); **F24H 1/20** (2006.01); **F28D 7/10** (2006.01); **F28D 7/12** (2006.01); **F28D 20/00** (2006.01)

CPC (source: EP US)
F24D 17/0068 (2013.01 - EP US); **F24H 1/208** (2013.01 - EP US); **F24H 9/0021** (2013.01 - EP US); **F28D 7/103** (2013.01 - EP US); **F28D 7/12** (2013.01 - EP US); **F28D 20/0039** (2013.01 - EP US); **F28D 2020/0078** (2013.01 - EP US); **Y02B 10/70** (2013.01 - EP US); **Y02E 60/14** (2013.01 - EP US)

Citation (search report)
See references of WO 2008043573A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2008043573 A1 20080417; AU 2007306554 A1 20080417; EP 2082174 A1 20090729; GB 0620262 D0 20061122; US 2010034528 A1 20100211

DOCDB simple family (application)
EP 2007008915 W 20071012; AU 2007306554 A 20071012; EP 07818986 A 20071012; GB 0620262 A 20061013; US 31179007 A 20071012