

Title (en)  
Thermodynamic boiler

Title (de)  
Thermodynamisches Heizgerät

Title (fr)  
Chauffe-eau thermodynamique

Publication  
**EP 2317239 A3 20120307 (FR)**

Application  
**EP 10188444 A 20101021**

Priority  
FR 0957745 A 20091102

Abstract (en)  
[origin: EP2317239A2] The heater (10) has a reservoir (12) extending along main axis (A), where the reservoir contains heat water. A heat exchange circuit (14) comprises a cylindrical shaped rotary compressor (18) that circulates the refrigerant in the heat exchange circuit. An axis (B) of the rotary compressor is inclined with respect to the main axis of the reservoir. The axis (B) is inclined at an angle between 5 and 85 degrees with respect to the main axis. An independent claim is also included for an assembly of a thermodynamic water heater and a water heater shipping container.

IPC 8 full level  
**F24H 4/04** (2006.01)

CPC (source: EP)  
**F24H 4/04** (2013.01)

Citation (search report)

- [Y] US 4320630 A 19820323 - USELTON ROBERT B, et al
- [Y] EP 1593915 A1 20051109 - MANCARELLA FRANCESCO [IT]
- [Y] EP 0969210 A1 20000105 - SCROLL TECH [US]
- [Y] EP 0614057 A2 19940907 - FRISCHKNECHT ARMIN [CH]
- [Y] DE 8507866 U1 19850523

Cited by  
FR3061446A1; WO2021170287A1

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 2317239 A2 20110504; EP 2317239 A3 20120307**; AU 2010235962 A1 20110519; FR 2952170 A1 20110506; FR 2952170 B1 20111216; NZ 588949 A 20120330

DOCDB simple family (application)  
**EP 10188444 A 20101021**; AU 2010235962 A 20101022; FR 0957745 A 20091102; NZ 58894910 A 20101101