

Title (en)

Gas water heater attachable with an adapter to realize central heating function

Title (de)

Anschluß Gas-Wasser-Heizer an zentrales Heizsystem

Title (fr)

Chauffe-eau à gaz pouvant être fixé à l'aide d'un adaptateur pour réaliser une fonction de chauffage central

Publication

EP 2664858 A3 20160907 (EN)

Application

EP 13167832 A 20130515

Priority

CN 201210171125 A 20120519

Abstract (en)

[origin: EP2664858A2] The present invention discloses an adapter capable of being attached to a gas water heater to achieve a central heating function. The adapter comprises a heat exchanger having a first fluid passageway capable of being intercommunicated to the gas water heater, and a second fluid passageway interchanging heat but physically isolated with said first fluid passageway; a first diverter valve connected to the first fluid passageway and being operable to selectively connect the first fluid passageway to the gas water heater thereby allowing fluid fed from the gas water heater to pass through the first fluid passageway. By employing the adapter as described above, the existing gas water heater can be upgraded to a gas boiler by simple modifications. As a result, the total invest is reduced for users, and cost of development and manufacturing is decreased for manufactures.

IPC 8 full level

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CPC (source: EP)

F24D 3/08 (2013.01); **F24D 17/0026** (2013.01); **F24H 9/142** (2013.01); **F24H 9/144** (2013.01)

Citation (search report)

- [XY] EP 2093517 A1 20090826 - GRUNDFOS MANAGEMENT AS [DK]
- [XY] EP 1528329 A1 20050504 - GRUNDFOS AS [DK]
- [Y] FR 2817610 A1 20020607 - DIETRICH THERMIQUE [FR]
- [Y] EP 0569713 A1 19931118 - BOSCH GMBH ROBERT [DE]

Cited by

CN114574330A; CN112656264A

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 2664858 A2 20131120; **EP 2664858 A3 20160907**; **EP 2664858 B1 20221221**; CN 102818368 A 20121212; CN 102818368 B 20141029; ES 2938870 T3 20230417

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