

Title (en)

APPARATUS AND METHOD FOR HEATING WATER

Title (de)

VORRICHTUNG UND VERFAHREN ZUR WASSERERWÄRMUNG

Title (fr)

APPAREIL ET PROCÉDÉ DE CHAUFFAGE D'EAU

Publication

EP 2603744 A2 20130619 (EN)

Application

EP 11749254 A 20110808

Priority

- US 37174210 P 20100809
- IL 2011000641 W 20110808

Abstract (en)

[origin: WO2012020404A2] It is an object of the subject matter to disclose a water heating device, comprising a vaporizer for vaporizing refrigerant and a compressor for compressing them vaporized refrigerant. The device also comprises a shell; such as a condenser and a volume reducing member positioned within the shell. The member is configured to reduce the cross section area of the volume in which water is heated in the shell. The device may also contain a refrigerant coil positioned adjacent to the volume in which water is heated in the shell; the refrigerant coil contains a refrigerant material received from the compressor, said refrigerant material heats the water in the volume in which water is heated in the shell.

IPC 8 full level

F24H 4/04 (2006.01); **F24H 9/00** (2006.01)

CPC (source: EP US)

F24H 4/04 (2013.01 - EP US); **F24H 9/0021** (2013.01 - EP US)

Citation (search report)

See references of WO 2012020404A2

Citation (examination)

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- US 2915292 A 19591201 - GROSS FRANK R
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- US 4330309 A 19820518 - ROBINSON JR GLEN P
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Designated contracting state (EPC)

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