

Title (en)  
GAS WATER HEATING APPLIANCE WITH PRE-HEATING FUNCTION

Title (de)  
GASWASSERHEIZVORRICHTUNG MIT VORWÄRMFUNKTION

Title (fr)  
APPAREIL DE CHAUFFAGE D'EAU AU GAZ AVEC PRÉCHAUFFAGE

Publication  
**EP 3150937 A1 20170405 (EN)**

Application  
**EP 16191336 A 20160929**

Priority  
CN 201510660312 A 20150930

Abstract (en)  
The present invention discloses a gas water heating appliance including a housing, a burner, a heat exchanger, and a pipe assembly. The pipe assembly includes incoming pipelines located at upstream of the heat exchanger and outgoing pipelines located at downstream of the heat exchanger. A water tank is disposed in the outgoing pipelines, and the water tank includes an electric heating device contained therein. The incoming pipelines has an inlet pipe section, and the pipe assembly further includes a circulation pipe section disposed in parallel with the inlet pipe section, and a circulation pump is disposed in the circulation pipe section. By employing the circulation pump, cold water accumulated in the pipelines and the water tank of the gas water heating appliance can be preheated, thereby providing instant hot water when users turn on the hot faucet.

IPC 8 full level  
**F24H 1/41** (2006.01); **F24D 17/00** (2006.01); **F24H 9/00** (2006.01); **F24H 9/20** (2006.01)

CPC (source: EP US)  
**F24D 17/0026** (2013.01 - EP); **F24D 17/0078** (2013.01 - EP); **F24H 1/41** (2013.01 - EP); **F24H 9/0084** (2013.01 - EP); **F24H 9/2028** (2013.01 - EP US); **F24H 9/2035** (2013.01 - EP US); **F24H 15/174** (2022.01 - EP US); **F24H 15/215** (2022.01 - EP US); **F24H 15/335** (2022.01 - EP US); **F24H 15/36** (2022.01 - EP US); **F24H 15/414** (2022.01 - EP US); **F24H 15/486** (2022.01 - EP US); **F24D 2200/04** (2013.01 - EP); **F24D 2200/08** (2013.01 - EP); **F24H 15/238** (2022.01 - EP US); **F24H 15/281** (2022.01 - EP US)

Citation (search report)  
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• [Y] DE 19509419 A1 19960919 - GRUBERT KLAUS [DE]

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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 3150937 A1 20170405**; **EP 3150937 B1 20190731**; CN 105299875 A 20160203

DOCDB simple family (application)  
**EP 16191336 A 20160929**; CN 201510660312 A 20150930