

Title (en)
HOT WATER APPLIANCE AND HOT WATER SYSTEM USING THE SAME

Title (de)
WARMWASSERGERÄT UND WARMWASSERSYSTEM MIT VERWENDUNG DAVON

Title (fr)
APPAREIL D'EAU CHAUDE ET SYSTÈME D'EAU CHAUDE L'UTILISANT

Publication
EP 3418649 B1 20201104 (EN)

Application
EP 18178917 A 20180621

Priority
CN 201710540723 A 20170621

Abstract (en)
[origin: EP3418649A1] The present invention discloses a hot water appliance including a housing, a heat source, and a hydraulic assembly. The housing has a first water inlet port, a second water inlet port, and a water outlet port. The heat source is disposed in the housing. The hydraulic assembly is disposed in the housing and including a heat exchange line for allowing water passing therethrough to absorb heat generated by the heat source, a first pipe section connected with the first water inlet port and communicating with the heat exchange line, and a second pipe section connected with the second water inlet port and communicating with the heat exchange line, wherein the first pipe section and the second pipe section are arranged in parallel. A circulation pump is disposed in the heat exchange line. A flow sensor is disposed in the first pipe section. An electrically actuated valve is provided in the second pipe section. Since the circulation pump is disposed in the heat exchange line, the stability of the pressure of cold water supplied can be assured.

IPC 8 full level
F24H 1/12 (2006.01); **F24D 17/00** (2006.01); **F24D 19/10** (2006.01); **F24H 9/02** (2006.01); **F24H 9/12** (2006.01); **F24H 9/20** (2006.01)

CPC (source: CN EP US)
F24D 17/0026 (2013.01 - EP); **F24D 17/0078** (2013.01 - EP); **F24D 19/1051** (2013.01 - CN EP US); **F24H 1/124** (2013.01 - EP); **F24H 9/02** (2013.01 - EP); **F24H 9/13** (2022.01 - CN); **F24H 9/139** (2022.01 - EP); **F24H 9/2007** (2013.01 - CN EP US); **F24H 9/2035** (2013.01 - EP US); **F24H 15/176** (2022.01 - EP US); **F24H 15/215** (2022.01 - EP US); **F24H 15/238** (2022.01 - EP US); **F24H 15/31** (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 2220/042** (2013.01 - EP); **F24D 2220/044** (2013.01 - EP); **F24H 4/02** (2013.01 - EP)

Cited by
CN112460844A; CN114183930A; CN113465170A; CN111457460A; CN113203207A; WO2023163360A1; TWI775609B

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

DOCDB simple family (publication)
EP 3418649 A1 20181226; **EP 3418649 B1 20201104**; CN 107461933 A 20171212; ES 2847048 T3 20210730

DOCDB simple family (application)
EP 18178917 A 20180621; CN 201710540723 A 20170621; ES 18178917 T 20180621