

Title (en)
HOT WATER GENERATION DEVICE

Title (de)
HEISSWASSERERZEUGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE PRODUCTION D'EAU CHAUDE

Publication
EP 4130601 A4 20231206 (EN)

Application
EP 20927547 A 20200323

Priority
JP 2020012707 W 20200323

Abstract (en)
[origin: EP4130601A1] To provide a hot water generator that can be connected to a crossover pipe for supplying hot water, extending to a hot water supply place, without loosening a screw-in pipe joint of a circulation pump and inducing leakage caused from the loosening of the screw-in pipe joint of the circulation pump, a hot water generator (1) includes a housing (51) that has a joint insertion hole (77), a pump (36) that includes a pump-inlet pipe joint (72) and a pump-outlet pipe joint (73), and a hot-water pipe connection joint (48) that is fixed to the pump-outlet pipe joint (73) and protrudes to an outside of the housing (51) through the joint insertion hole (77), and is connectable to a hot water pipe (47) outside the housing (51), which sends hot water to a hot water supply place.

IPC 8 full level
F24H 9/12 (2022.01); **F24H 9/02** (2006.01); **F24H 9/14** (2006.01)

CPC (source: EP)
F24D 12/02 (2013.01); **F24H 4/02** (2013.01); **F24H 9/02** (2013.01); **F24H 9/12** (2013.01); **F24H 9/142** (2013.01)

Citation (search report)

- [XY] EP 2151633 A2 20100210 - LG ELECTRONICS INC [KR]
- [Y] JP S4854319 U 19730713
- [Y] DE 1679792 A1 19710708 - VAILLANT JOH KG
- [A] EP 1574790 A2 20050914 - BOSCH GMBH ROBERT [DE]
- [A] JP 3026207 B1 20000327
- [A] JP 2000145982 A 20000526 - FUJII GOKIN SEISAKUSHO CO LTD
- See references of WO 2021191963A1

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 4130601 A1 20230208; EP 4130601 A4 20231206; AU 2020438326 A1 20221006; AU 2020438326 B2 20231207;
CN 115103984 A 20220923; CN 115103984 B 20240109; WO 2021191963 A1 20210930

DOCDB simple family (application)
EP 20927547 A 20200323; AU 2020438326 A 20200323; CN 202080096717 A 20200323; JP 2020012707 W 20200323