

Title (en)

WATER HEATING SYSTEM WITH RENEWABLE ENERGY PREHEATING SUPPLEMENTED BY INSTANTANEOUS HEATING

Title (de)

WASSERHEIZSYSTEM MIT VORWÄRMUNG DURCH ERNEUERBARE ENERGIE ERGÄNZT DURCH SOFORTIGES ERHITZEN

Title (fr)

SYSTEME DE CHAUFFAGE D'EAU A PRECHAUFFAGE PAR ENERGIE RENOUVELABLE AVEC COMPLEMENT PAR CHAUFFAGE INSTANTANE

Publication

**EP 3824227 A1 20210526 (FR)**

Application

**EP 19790577 A 20190719**

Priority

- FR 1856746 A 20180720
- FR 2019000117 W 20190719

Abstract (en)

[origin: WO2020016489A1] The invention relates to a heating system comprising: - a renewable energy water heater (11) which comprises at least one water storage container comprising at least one tank (13a) containing water that has a cold water inlet (15) and a hot water outlet (13c), and a device for preheating the water of the tank, - a device for supplementary instantaneous heating (19) of the previously preheated water which is positioned inside said at least one water storage container (13), separately from the tank and over the hot water outlet of said tank.

IPC 8 full level

**F24H 1/18** (2006.01); **F24D 17/00** (2006.01); **F24D 19/10** (2006.01); **F24H 1/20** (2006.01)

CPC (source: EP US)

**F24D 17/0068** (2013.01 - EP); **F24D 19/1057** (2013.01 - EP US); **F24H 1/122** (2013.01 - EP); **F24H 1/185** (2013.01 - EP);  
**F24H 1/208** (2013.01 - EP); **F24H 15/174** (2022.01 - EP US); **F24H 15/37** (2022.01 - EP US); **F24D 2200/08** (2013.01 - EP);  
**F24D 2200/12** (2013.01 - EP); **F24D 2200/14** (2013.01 - EP); **F24D 2220/08** (2013.01 - EP); **F24H 15/128** (2022.01 - EP US);  
**F24H 15/223** (2022.01 - EP US); **F24H 15/238** (2022.01 - EP US); **F24H 15/281** (2022.01 - EP US); **Y02B 10/20** (2013.01 - EP);  
**Y02B 10/70** (2013.01 - EP)

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)

**WO 2020016489 A1 20200123**; EP 3824227 A1 20210526; FR 3084142 A1 20200124; FR 3084142 B1 20220204

DOCDB simple family (application)

**FR 2019000117 W 20190719**; EP 19790577 A 20190719; FR 1856746 A 20180720