

Title (en)

APPARATUS FOR THE HEATING OF FLUIDS IN HEATING SYSTEMS AND/OR IN PLUMBING SYSTEMS

Title (de)

GERÄT ZUR ERWÄRMUNG VON FLÜSSIGKEITEN IN HEIZUNGSANLAGEN UND/ODER IN SANITÄRINSTALLATIONEN

Title (fr)

APPAREIL POUR LE CHAUFFAGE DE FLUIDES DANS DES SYSTÈMES DE CHAUFFAGE ET/OU DANS DES SYSTÈMES DE SANITAIRES

Publication

**EP 4119864 A1 20230118 (EN)**

Application

**EP 22184472 A 20220712**

Priority

IT 202100018431 A 20210713

Abstract (en)

The apparatus (1) for the heating of fluids in heating systems and/or in plumbing systems comprises an external tank (2) containing a diathermic fluid (3), an internal tank (4, 5) connected to a heating system (A) and/or to a plumbing system (B), containing a fluid to be heated (6, 7), housed in the external tank (2) and immersed in the diathermic fluid (3), heating means (8) of the diathermic fluid (3) for the heating by thermal convection of the fluid to be heated (6, 7) in the internal tank (4, 5).

IPC 8 full level

**F24H 1/50** (2022.01); **F24H 7/04** (2006.01); **F28D 20/00** (2006.01)

CPC (source: EP)

**F24H 1/50** (2013.01); **F24H 7/0433** (2013.01); **F24D 2220/08** (2013.01); **F28D 20/0034** (2013.01)

Citation (search report)

- [X] EP 3751204 A1 20201216 - ADAPT GMBH [CH]
- [X] FR 2324998 A1 19770415 - BEROUD GEORGES [FR]
- [X] DE 102008049954 A1 20100408 - HAHN THOMAS [DE]
- [X] WO 8302660 A1 19830804 - ANDERSSON BROR

Cited by

CN116294215A

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4119864 A1 20230118**; IT 202100018431 A1 20230113

DOCDB simple family (application)

**EP 22184472 A 20220712**; IT 202100018431 A 20210713