

Title (en)

DEVICE FOR HEATING A LIQUID TO A GIVEN TEMPERATURE

Publication

EP 0004506 A3 19791017 (FR)

Application

EP 79400177 A 19790316

Priority

FR 7808115 A 19780321

Abstract (en)

[origin: ES478797A1] An apparatus for raising a liquid to a given temperature and for controlling and regulating this temperature has a vertical cylindrical enclosure, a vertical tube housing a heating resistor, and a first and a second ferrule located in this order between the tube and the enclosure to define a first, a second and a third annular space. The first ferrule is connected to the lower wall of the enclosure. The tube and the second ferrule are connected to the upper wall of the enclosure. The liquid is supplied to the lower portion of the first space and extracted from the upper portion of the third space. The length of the resistor is shorter by at least one quarter of the height of the tube and orifices in the lower portion of the first ferrule produce a thermosiphon effect between the first and second annular spaces.

IPC 1-7

F24H 1/14; **F24H 9/20**

IPC 8 full level

F24H 1/10 (2006.01); **F24H 1/14** (2006.01); **F24H 9/20** (2006.01); **G05D 23/00** (2006.01)

CPC (source: EP US)

F24H 1/142 (2013.01 - EP US); **F24H 9/2014** (2013.01 - EP US); **F24H 15/174** (2022.01 - EP US); **F24H 15/219** (2022.01 - EP US); **F24H 15/37** (2022.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

BE DE GB IT

DOCDB simple family (publication)

EP 0004506 A2 19791003; **EP 0004506 A3 19791017**; **EP 0004506 B1 19810701**; DE 2960437 D1 19811008; ES 478797 A1 19791101; FR 2420726 A1 19791019; FR 2420726 B1 19820115; JP S54126884 A 19791002; US 4286140 A 19810825

DOCDB simple family (application)

EP 79400177 A 19790316; DE 2960437 T 19790316; ES 478797 A 19790320; FR 7808115 A 19780321; JP 2882879 A 19790314; US 1833579 A 19790307