

Title (en)

Variable power device for a uniform heating of fluids

Title (de)

Variables Stromversorgungsgerät für gleichmäßige Erwärmung von Flüssigkeiten

Title (fr)

Dispositif de puissance variable pour un chauffage uniforme des fluides

Publication

EP 2871429 A3 20150729 (EN)

Application

EP 14425140 A 20141103

Priority

IT VI20130271 A 20131108

Abstract (en)

[origin: EP2871429A2] A variable power device for a uniform heating of fluids, comprising an outer tube (10), which is connected to a fitting or flange (14) for connecting the power supply and grounding cables (21) and to one or more fluid distribution connectors (24, 26), said outer tube (10) enclosing a first drilled heat sink (13), made of conductive material, within which a first hollow space (11) and a wire-type or layer-type resistor (12), embedded within an insulating layer, are inserted. In this way, the resistor (12) is not directly connected with the fluid, but it is directly connected with said first heat sink (13) and therefore it is possible to distribute heat from said first heat sink (13) to the fluid in correspondence with a large surface, while said first heat sink (13) also maintains a low temperature at the fluid contact surface.

IPC 8 full level

F24H 1/12 (2006.01); **H05B 3/44** (2006.01)

CPC (source: EP)

F24H 1/142 (2013.01); **H05B 3/44** (2013.01); **H05B 2203/021** (2013.01)

Citation (search report)

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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)

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