

Title (en)
Device for heating fluids

Title (de)
Flüssigkeitsheizgerät

Title (fr)
Appareil pour chauffer des fluides

Publication
EP 2661151 B1 20170705 (EN)

Application
EP 13425054 A 20130410

Priority
IT VI20120103 A 20120502

Abstract (en)
[origin: EP2661151A1] A device for heating fluids, in particular for heating at least a fluid circulating in a heating structure such as a water or oil radiator and/or a heated towel rail, comprising a casing (10) made of conductive material, within which at least one resistive element is placed, said resistive element having respective electric terminals connected to respective electrical conductors, which protrude from said casing (10) passing through a pipe fitting (11), which is placed coaxially with respect to said casing (10) and which is made of thermally conductive material, so that said electrical conductors are connected to an electric and/or electronic power circuit having at least one TRIAC power switch (12), which is connected in turn, on one side, to said at least one resistive element and, on the other side, to said power circuit; in particular, said power switch (12) is placed inside a compartment or duct (16), made internally to said pipe fitting (11) through at least one opening (14) provided at one end of the pipe fitting (11), and said TRIAC power switch (12) is also fixed to at least one portion of the inner walls (13) of the pipe fitting (11).

IPC 8 full level
H05B 3/48 (2006.01); **F24H 9/18** (2006.01); **H05B 1/02** (2006.01)

CPC (source: EP)
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Cited by
EP4271128A1; IT202200008582A1

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