

Title (en)

Heating device, in particular for heating the passenger compartment of an automobile, and relative method of assembly of said device

Title (de)

Heizvorrichtung, insbesondere zum Aufwärmen der Fahrgastzelle eines Pkw, und correspondierendes Verfahren zur Herstellung dieser Vorrichtung

Title (fr)

Appareillage de chauffage, en particulier pour chauffer le compartiment passager d'une automobile, et méthode relative à l'assemblage dudit appareillage

Publication

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Application

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Priority

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Abstract (en)

[origin: EP2629585A1] The present invention concerns a heating device (1, 1a), connectable to a power supply, comprising: a support frame (2); one or more radiating elements (3), fixed to said support frame (2), each radiating element (3) comprising a containment tube (31) capable to operate as an electrode and connectable with said power supply, a longitudinal housing (32), arranged within said containment tube (31), a longitudinal electrode (33, 33a), connectable with said power supply and arranged within said longitudinal housing (32), so as to be isolated from said containment tube (31), means for generating heat (34), such as one or more PTC (Positive Temperature Coefficient) elements (34), inserted within said containment tube (31) and arranged between, and in contact with, said longitudinal electrode (33, 33a) and said containment tube (31), so that, by applying an electric current between said containment tube (31) and said longitudinal electrode (33), said heat generating means (34) generate heat, and compression means (35, 35a) housed within said longitudinal housing (32), interposed between said longitudinal housing (32) and said longitudinal electrode (33), said compression means (35, 35a) being adapted to ensure the electrical contact between said longitudinal electrode (33, 33a) and said heat generating means (34) and to ensure the electrical and thermal contact between said containment tube (31) and said heat generating means (34); and one or more dissipation fins (4) capable to dissipate the heat generated by said radiating elements (3). The present invention even concerns a method for assembling a heating device (1, 1a).

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