

Title (en)

Modular heat exchange device for heating radiators

Title (de)

Modulare Wärmeaustauscheinrichtung für Heizkörper

Title (fr)

Dispositif modulaire dissipateur de chaleur pour radiateurs de chauffage

Publication

EP 2778558 A1 20140917 (EN)

Application

EP 14160362 A 20140317

Priority

PT 10684213 A 20130316

Abstract (en)

Modular heat exchange device for heating radiators for placing into radiator module or modules, comprising two metallic or polymeric plates which include at least one resilient element between said plates for moving said plates apart, so that the plates are in contact with said modules; an electric resistor; and an electric connector. The resilient element can be one or two springs. The metallic plates can be extruded aluminium metallic plates. The device can be placed along the longitudinal openings of said modules. The plates can be extruded aluminium metallic plates with wavy slots which connect through male-female connection. The resistor can be PTC resistor. The device can comprise protecting caps. Each plate can internally comprise two slots to receive springs; one slot to receive a resistor and one slot to receive protecting caps. Heating radiator including one or more of said exchangers.

IPC 8 full level

F24H 3/00 (2006.01); **F28D 1/02** (2006.01)

CPC (source: EP)

F24H 3/002 (2013.01); **F24H 3/004** (2013.01); **F28D 1/0246** (2013.01)

Citation (search report)

- [X] ES 2378791 A1 20120418 - FAGOR S COOP [ES]
- [I] EP 1574803 A2 20050914 - MARIN CAMARA MIGUEL [ES]
- [A] FR 2712670 A1 19950524 - ROUSSEL JEAN LOUIS [FR]
- [A] FR 2816396 A1 20020510 - CASSISI FLORENCE [FR]
- [A] FR 2710733 A1 19950407 - HUBER MANFRED [FR]
- [A] FR 2848646 A1 20040618 - PALAYER GUY [FR]

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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