

Title (en)

Electrical heater or supplementary heater, in particular for a heating or air conditioning assembly of a vehicle

Title (de)

Elektrischer Heizer oder Zuheizer, insbesondere für einer Heizungs- oder Klimaanlage eines Kraftfahrzeugs

Title (fr)

Chauffage ou chauffage supplémentaire électrique, en particulier pour un système de chauffage ou climatisation d'un véhicule

Publication

EP 1933598 B1 20131113 (DE)

Application

EP 06291906 A 20061211

Priority

EP 06291906 A 20061211

Abstract (en)

[origin: EP1933598A1] The heater (1) has a heating element (2) having a PTC element which serves to heat a flowing medium. The PTC element has a row that consists of several webs (4) that are interconnected via a connecting zone (6). The PTC element is electrically connected in two opposite edge zones that are perpendicular to the direction of flow of the medium for current lead-in or lead-out. The connecting zone is configured to be interspaced from the electrically contacted edge zones and the interspaced outer ends of outer webs (4a) are positioned on the outside of it serve for current lead-in or lead-out. An independent claim is included for a motor vehicle.

IPC 8 full level

H05B 3/50 (2006.01); **F24H 3/04** (2006.01); **F24H 9/18** (2006.01); **H01C 7/02** (2006.01); **H05B 3/14** (2006.01)

CPC (source: EP)

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Cited by

EP3511645A1; EP2161515A1; CN110678704A; EP3250003A1; CN107426835A; US10363797B2; DE102018200938A1; WO2018215623A1

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DE FR

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