

Title (en)

PTC heater, especially for a vehicle

Title (de)

Ptc-Heizer, insbesondere für ein Kraftfahrzeug

Title (fr)

Appareil de chauffage à PTC, en particulier pour véhicule

Publication

EP 1698840 A3 20100707 (DE)

Application

EP 06290389 A 20060306

Priority

- EP 05290513 A 20050304
- EP 06290389 A 20060306

Abstract (en)

[origin: EP1698840A2] The PTC (Positive Temperature Coefficient) heater has at least one PTC element between two contact sheets (3), and is connected to them electrically. At least one of the contact sheets on the side of the PTC element has at least two differently structured or raised regions. These two different regions should preferably lie at least partly directly opposite the PTC element.

IPC 8 full level

F24H 9/18 (2006.01)

CPC (source: EP)

F24H 9/1863 (2013.01); **F24H 9/1872** (2013.01); **F24H 3/0405** (2013.01)

Citation (search report)

- [X] US 5598502 A 19970128 - TAKAHASHI MINORU [JP], et al
- [X] US 3996447 A 19761207 - BOUFFARD MICHAEL L, et al
- [X] DE 9407104 U1 19941013 - SUNLEAD ELECTRICAL CORP [TW]
- [A] US 4414052 A 19831108 - HABATA ETSUROH [JP], et al

Cited by

US2021302065A1; EP3511645A1; EP2897230B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

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