

Title (en)
PTC HEATING ELEMENT AND ELECTRIC HEATER FOR A MOTOR VEHICLE COMPRISING SUCH A PTC HEATING ELEMENT

Title (de)
PTC-HEIZELEMENT UND ELEKTRISCHE HEIZVORRICHTUNG FÜR EIN KRAFTFAHRZEUG UMFASSEND EIN SOLCHES PTC-HEIZELEMENT

Title (fr)
ÉLEMENT DE CHAUFFAGE A COEFFICIENT DE TEMPERATURE POSITIF (CTP) ET DISPOSITIF DE CHAUFFAGE ELECTRIQUE POUR UN VEHICULE AUTOMOBILE COMPRENANT UN TEL ELEMENT DE CHAUFFAGE CTP

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Application
EP 15193710 A 20151109

Priority
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• EP 15170336 A 20150602

Abstract (en)
[origin: US2016360572A1] A PTC heating element is provided that includes including a PTC heating element strip conductors via which the PTC element is powered and at least one of which is insulated on an outer surface with an electrical insulation layer. In order to provide improved insulation while maintaining adequate heat transfer from the PTC element to the heat-emitting surface through the electrical insulation layer, the electrical insulation layer comprises a film and an electrically insulating mass of good thermal conductivity applied to the film. Also provided is an electric heating device for an automotive vehicle that is provided with at least one PTC heating element of such a type.

IPC 8 full level
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CPC (source: CN EP US)
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Citation (examination)
ANONYMOUS: "Wärmeleitpaste - Wikipedia", 24 February 2015 (2015-02-24), XP055674787, Retrieved from the Internet <URL:http://web.archive.org/web/20150224171638/https://de.wikipedia.org/wiki/Wärmeleitpaste> [retrieved on 20200309]

Cited by
DE102017223785A1; DE102017106711A1; EP3789692A1; CN111263475A; DE102021103480A1; WO2022171857A1

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