

Title (en)
PTC HEATER

Title (de)
PTC-HEIZER

Title (fr)
CHAUFFAGE PTC

Publication
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Application
EP 20150674 A 20200108

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Abstract (en)
The invention relates to PTC heater (1) comprising a plurality of PTC thermistors (2) and comprising two electrically conductive contact plates (3a, 3b). The respective PTC thermistor (2) is plate-like and has two large surfaces (4a, 4b), which are located opposite one another in the height direction (HR). The PTC thermistors (2) are arranged in the height direction (HR) between the contact plates (3a, 3b) and are electrically contact-connected thereto at the large surfaces (4a, 4b). The PTC thermistors (2) are arranged next to one another and spaced apart from one another in the longitudinal direction (LR), so that the respective contact plate (3a, 3b) is divided into a plurality of contact areas (5a, 5b), which overlap with the PTC thermistors (2) in the height direction (HR), and into a plurality of transition areas (6a, 6b), which connect the contact areas (5a, 5b). According to the invention, the respective transition areas (6a, 6b) of the respective contact plate (3a, 3b) in the width direction (BR) are several times smaller than the respective contact areas (5a, 5b) of the respective contact plate (3a, 3b) in the width direction (BR).

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Citation (applicant)
DE 102016107032 A1 20171019 - BORGWARNER LUDWIGSBURG GMBH [DE]

Citation (search report)
• [XYI] US 2017303339 A1 20171019 - MAHER ANTHONY [IE], et al
• [Y] FR 3077459 A1 20190802 - VALEO SYSTEMES THERMIQUES [FR]

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