

Title (en)

SYSTEM FOR MANAGING A HEATING RESISTANCE WITH A POSITIVE TEMPERATURE COEFFICIENT OF AUXILIARY ELECTRIC HEATING EQUIPMENT OF A MOTOR VEHICLE

Title (de)

SYSTEM ZUR VERWALTUNG EINES HEIZWIDERSTANDS MIT POSITIVEM TEMPERATURKOEFFIZIENTEN EINER ELEKTRISCHEN HILFSHEIZEINRICHTUNG EINES KRAFTFAHRZEUGS

Title (fr)

SYSTÈME DE GESTION DE RÉSISTANCE CHAUFFANTE À COEFFICIENT DE TEMPÉRATURE POSITIF D'UN ÉQUIPEMENT DE CHAUFFAGE ÉLECTRIQUE AUXILIAIRE DE VÉHICULE AUTOMOBILE

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Application

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Abstract (en)

[origin: WO2015010842A1] The invention relates to auxiliary electric heating equipment for a motor vehicle, comprising one or more heating bars comprising resistances with a positive temperature coefficient, and an electronic power stage alternately powering each heating bar on and off, according to a cyclic ratio that can be adjusted by control means. This equipment comprises means for limiting the actual intensity of the current passing through the electronic power stage, by measuring the peak current passing through at least one heating bar and comparing the measured peak current value with a peak current value read in a table for the current cyclic ratio, and decreasing the cyclic ratio if the measured peak current exceeds the peak current value read in the lookup table. The peak current value read in the lookup table corresponding to the maximum actual current allowable by the control unit for the cyclic ratio in question.

IPC 8 full level

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