

Title (en)
METHOD FOR MONITORING AT LEAST ONE GLOW PLUG OF AN INTERNAL COMBUSTION ENGINE AND CORRESPONDING DEVICE

Title (de)
VERFAHREN ZUR ÜBERWACHUNG VON WENIGSTENS EINER GLÜHSTIFTKERZE EINES BRENNKRAFTMOTORS UND VORRICHTUNG
HIERZU

Title (fr)
PROCÉDÉ POUR CONTRÔLER AU MOINS UNE BOUGIE-CRAYON DE PRÉCHAUFFAGE D'UN MOTEUR À COMBUSTION INTERNE ET
DISPOSITIF CORRESPONDANT

Publication
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Application
EP 08872082 A 20081114

Priority

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Abstract (en)
[origin: WO2009097922A1] The invention relates to a method for monitoring at least one glow plug (100) of an internal combustion engine, wherein a time-dependent variable that is characteristic of the current flowing through at least one glow plug (100) is compared to at least one time-dependent minimum (Rmin) and/or maximum threshold value (Rmax) for error detection and an error is identified if the time-dependent variable is greater and/or less than the minimum (Rmin) and/or maximum (Rmax) threshold value. The method according to the invention is characterized in that the first derivative of the time-dependent variable is compared with the first derivative of the maximum threshold value (formula I) and the second derivative of the time-dependent variable is compared with the second derivative of the maximum threshold value (formula II). An error is identified if the first derivative of the time-dependent variable is less than the first derivative of the maximum threshold value (formula I) and the second derivative of the time-dependent variable is less than the second derivative of the maximum threshold value (formula II).

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