

Title (en)

METHOD FOR MONITORING AT LEAST ONE Y-CAPACITOR OF AN ONBOARD ELECTRICAL SYSTEM OF A VEHICLE, AND ONBOARD ELECTRICAL SYSTEM

Title (de)

VERFAHREN ZUM ÜBERWACHEN VON ZUMINDEST EINER Y-KAPAZITÄT EINES ELEKTRISCHEN BORDNETZES EINES FAHRZEUGS, SOWIE ELEKTRISCHES BORDNETZ

Title (fr)

PROCÉDÉ DE SURVEILLANCE D'AU MOINS UN CONDENSATEUR Y D'UN SYSTÈME ÉLECTRIQUE EMBARQUÉ D'UN VÉHICULE ET SYSTÈME ÉLECTRIQUE EMBARQUÉ

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Application

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Abstract (en)

[origin: WO2021069240A1] The invention relates to a method for monitoring at least one Y-capacitor (2, 3) of an onboard electrical system (1) of a vehicle, wherein - a current capacitance value of the at least one Y- capacitor (2, 3) and a current voltage (UB) of the onboard electrical system (1) are ascertained, - the energy currently stored in the at least one Y-capacitor (2, 3) is determined on the basis of the current voltage (UB) of the onboard electrical system (1) and the current capacitance value of the at least one Y-capacitor (2, 3) of the onboard electrical system (1), - the currently stored energy in the at least one Y-capacitor (2, 3) is compared with a specified threshold, and - if the specified threshold is exceeded, a corresponding control signal is generated. The invention additionally relates to an onboard electrical system (1).

IPC 8 full level

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