Title (en)

METHOD AND ARRANGEMENT FOR CONTROLLING AN INTERNAL COMBUSTION ENGINE, COMPRISING AT LEAST TWO CONTROL UNITS

Title (de)

VERFAHREN UND ANORDNUNG ZUR STEUERUNG EINER BRENNKRAFTMASCHINE MIT MINDESTENS ZWEI STEUEREINHEITEN

Title (fr)

PROCÉDÉ ET SYSTÈME DE COMMANDE D'UN MOTEUR À COMBUSTION INTERNE COMPRENANT AU MOINS DEUX UNITÉS DE COMMANDE

Publication

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Application

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Abstract (en)

[origin: WO2014117940A1] The invention relates to a method for controlling an internal combustion engine (3), wherein a first engine control device (5) generates at least one control signal in order to actuate at least one function of the internal combustion engine (3). The method is characterized in that a switchover device (9) transmits the at least one control signal of the first engine control device (5) to the internal combustion engine (3) in order to actuate the at least one function of the internal combustion engine (3). The first engine control device (5) continuously or periodically transmits a sign-of-life signal which indicates the functionality of the engine control device to the switchover device (9). The first engine control device (5) does not transmit the sign-of-life signal or transmits the signal incorrectly if a fault occurs which endangers the proper actuation of the at least one function of the internal combustion engine (3) by means of the first engine control device (5). If the sign-of-life signal of the first engine control device (5) is not received or is incorrectly received by the switchover device (9), the switchover device (9) stops transmitting the control signals of the first engine control device (5) to the internal combustion engine (3) and starts transmitting at least one control signal generated by a second engine control device (7), in order to actuate the at least one function of the internal combustion engine (3), to the internal combustion engine (3).

IPC 8 full level

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