Title (en)

INTERFACE FOR INTERCHANGING DATA BETWEEN REDUNDANT PROGRAMS FOR CONTROLLING A MOTOR VEHICLE

Title (de)

SCHNITTSTELLE ZUM DATENAUSTAUSCH ZWISCHEN REDUNDANT AUSGEFÜHRTEN PROGRAMMEN ZUR KRAFTFAHRZEUGSTEUERUNG

Title (fr)

INTERFACE D'ÉCHANGE DE DONNÉES ENTRE DES PROGRAMMES REDONDANTS SERVANT À COMMANDER UN VÉHICULE

Publication

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Application

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Abstract (en)

[origin: WO2014060470A1] The invention relates to an electronic control unit (30) for controlling and/or regulating at least one motor vehicle system, comprising at least one integrated microcontroller system (34) which is intended to execute software and has at least two microcontroller units (1, 1') which each execute at least one independent operating system (5, 5'), wherein at least one interface (2) for interchanging information between the microcontroller units (1, 1') is provided, and is also distinguished by the fact that a first microcontroller unit (1) is designed to control and/or regulate a first motor vehicle system, in particular a motor vehicle brake system, and a second microcontroller unit (1') is designed to be able to provide the first microcontroller unit (1) with specifications for controlling and/or regulating the first motor vehicle system using the interface (2). The invention also comprises the use of the electronic control unit.

IPC 8 full level

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