

Title (en)

METHOD AND ELECTRONIC CIRCUIT ASSEMBLY FOR THE REDUNDANT SIGNAL PROCESSING OF A SAFETY-RELEVANT APPLICATION, MOTOR VEHICLE BRAKE SYSTEM, MOTOR VEHICLE HAVING SAID MOTOR VEHICLE BRAKE SYSTEM, AND USE OF SUCH AN ELECTRONIC CIRCUIT ASSEMBLY

Title (de)

VERFAHREN UND ELEKTRONISCHE SCHALTUNGSANORDNUNG ZUR REDUNDANTEN SIGNALVERARBEITUNG EINER SICHERHEITSRELEVANTEN ANWENDUNG, KRAFTFAHRZEUGBREMSSYSTEM UND KRAFTFAHRZEUG DAMIT SOWIE VERWENDUNG EINER DERARTIGEN ELEKTRONISCHEN SCHALTUNGSANORDNUNG

Title (fr)

PROCÉDÉ ET ARRANGEMENT DE CIRCUIT ÉLECTRONIQUE POUR LE TRAITEMENT REDONDANT DU SIGNAL D'UNE APPLICATION EN RAPPORT AVEC LA SÉCURITÉ, SYSTÈME DE FREINAGE DE VÉHICULE AUTOMOBILE ET VÉHICULE AUTOMOBILE ÉQUIPÉ DE CELUI-CI AINSI QU'UTILISATION D'UN ARRANGEMENT DE CIRCUIT ÉLECTRONIQUE DE CE TYPE

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Application

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Priority

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Abstract (en)

[origin: WO2015010756A1] The invention relates to a method for the redundant signal processing of a safety-relevant application, in particular of a safety control unit of a motor vehicle, wherein at least two redundant signals are fed from at least one sensor (4) to an electronic circuit assembly (2) as input signals (6) for processing of the sensor information. At least one input signal (6) is converted into a different test signal (16). In the electronic circuit assembly (2), the one or more input signals (6) are fed to a first peripheral module (12) of a microcontroller (10), and the test signal (16) is fed to an additional peripheral module (18) of the microcontroller (10). The sensor information of the input signals (6) and of the test signal (16) are thus redundantly processed independently of each other in a respective peripheral module (12, 18) of the microcontroller (10). The invention further relates to an electronic circuit assembly (2) for performing such a method, a motor vehicle brake system, a motor vehicle having said brake system, and a use of such an electronic circuit assembly.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2015010756A1

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