Title (en)

APPARATUSES AND METHODS FOR IDENTIFICATION OF EXTERNAL INFLUENCES ON AT LEAST ONE PROCESSING UNIT OF AN EMBEDDED SYSTEM

Title (de)

VORRICHTUNGEN UND VERFAHREN ZUM IDENTIFIZIEREN VON ÄUSSEREN EINFLÜSSEN AUF ZUMINDEST EINE VERARBEITUNGSEINHEIT EINES EINGEBETTETEN SYSTEMS

Title (fr)

DISPOSITIFS ET PROCÉDÉ POUR IDENTIFIER DES EFFETS EXTÉRIEURS QUI AGISSENT SUR AU MOINS UNE UNITÉ DE TRAITEMENT D'UN SYSTÈME ENCASTRÉ

Publication

**EP 2467780 A1 20120627 (DE)**

Application

**EP 10734972 A 20100716**

Priority

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• EP 2010060281 W 20100716

Abstract (en)

[origin: WO2011020661A1] The present invention relates to the identification of external influences on at least one processing unit in a set of processing units in an embedded system. In this case, an arrangement which is configured for this purpose has: a data generator which is configured to generate data which is designed to identify external influences on at least one processing unit in the set of processing units; a sensor circuit which has a set of electronic elements, wherein the electronic elements are configured to store data, wherein the sensor circuit is configured to transmit the data to a data checker by sequential buffer storage of the data in the electronic elements; the data checker, which is configured to check the correctness of the data. The present invention allows improved identification of external influences on at least one processing unit in an embedded system. It is applicable to embedded systems.

IPC 8 full level

**G06F 11/00** (2006.01)

CPC (source: EP US)

**G06F 11/3684** (2013.01 - EP US); **G06F 11/3692** (2013.01 - EP US)

Citation (search report)

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