

Title (en)

METHOD AND SYSTEM FOR ANALYZING AT LEAST ONE DEVICE OF A UNIT THAT HAS A PLURALITY OF DIFFERENT DEVICES

Title (de)

VERFAHREN UND SYSTEM ZUR ANALYSE WENIGSTENS EINER EINRICHTUNG EINER EINHEIT, WELCHE EINE MEHRZAHL AN VERSCHIEDENEN EINRICHTUNGEN AUFWEIST

Title (fr)

PROCÉDÉ ET SYSTÈME D'ANALYSE D'AU MOINS UN DISPOSITIF D'UNE UNITÉ COMPORTANT UNE PLURALITÉ DE DISPOSITIFS DIFFÉRENTS

Publication

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Application

**EP 19709362 A 20190207**

Priority

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Abstract (en)

[origin: WO2019153026A1] The invention relates to a method, in particular a computer-aided method, for analyzing at least one device of a unit to be checked, the unit being of a type of units that have a plurality of different devices, in particular of a vehicle or engine, preferably comprising the following work steps: operating the unit to be checked in a defined operating cycle; recording a data set of observed variables, in particular at least one data column of a data matrix, on the basis of the operation of the unit to be checked; determining, on the basis of the data set of the unit to be checked, a manifestation of the at least one device by means of a transformation model, which has an association specification between observed variables and a property of devices to be analyzed, the transformation model being based on a fitting calculation with regard to simulation results, which result from a plurality of operation simulations of the defined operating cycle by means of a model, in which at least devices to be analyzed are represented as virtual devices, with a different configuration of the units in each operation simulation, each configuration being characterized by a manifestation of a property of at least one device; and/or outputting the manifestation of the at least one device.

IPC 8 full level

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CPC (source: EP)

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