

Title (en)

METHOD FOR MONITORING AN ENGINE CONTROL UNIT

Title (de)

VERFAHREN ZUR ÜBERWACHUNG EINER MOTORSTEUEREINHEIT

Title (fr)

PROCÉDÉ DE SUPERVISION D'UNE UNITÉ DE CONTRÔLE MOTEUR

Publication

**EP 3963458 A1 20220309 (FR)**

Application

**EP 20732261 A 20200430**

Priority

- FR 1904675 A 20190503
- FR 2020050732 W 20200430

Abstract (en)

[origin: CA3137976A1] The invention relates to a method (1, 28) for monitoring an engine control unit (2) having at least two separate paths (4, 6), each of the paths (4, 6) comprising at least: - means for carrying out a given application task AS, the application task AS consisting in part of a plurality of calculations which are performed consecutively and between which there are periods of latency; - a first component (14) capable of performing the calculations; - a second component (16) capable of storing data; the application tasks AS of the paths (4) being capable of communicating, the method comprising the following steps: a) detecting a period of latency; b) performing, during said period of latency, a test of the operational state (26) of at least one of the components (14, 16); c) determining a state of the component (14, 16) corresponding to a failure state or a healthy state.

IPC 8 full level

**G06F 11/16** (2006.01); **G06F 11/22** (2006.01)

CPC (source: EP US)

**G06F 11/165** (2013.01 - EP US); **G06F 11/2236** (2013.01 - EP); **H03M 1/1076** (2013.01 - US); **G06F 11/1633** (2013.01 - EP); **G06F 11/1654** (2013.01 - EP); **G06F 2201/805** (2013.01 - EP); **G06F 2201/83** (2013.01 - EP)

Citation (search report)

See references of WO 2020225507A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**FR 3095705 A1 20201106**; **FR 3095705 B1 20210507**; CA 3137976 A1 20201112; CN 113785276 A 20211210; EP 3963458 A1 20220309; JP 2022531597 A 20220707; US 2023036687 A1 20230202; WO 2020225507 A1 20201112

DOCDB simple family (application)

**FR 1904675 A 20190503**; CA 3137976 A 20200430; CN 202080032398 A 20200430; EP 20732261 A 20200430; FR 2020050732 W 20200430; JP 2021564979 A 20200430; US 202017607259 A 20200430