

Title (en)

METHOD FOR MONITORING A SYSTEM AND ASSOCIATED COMPUTER PROGRAM PRODUCT

Title (de)

VERFAHREN ZUR ÜBERWACHUNG EINES SYSTEMS UND ZUGEHÖRIGES COMPUTERPROGRAMMPRODUKT

Title (fr)

PROCÉDÉ DE CONTRÔLE D'UN SYSTÈME ET PRODUIT PROGRAMME D'ORDINATEUR ASSOCIÉ

Publication

**EP 4363938 A1 20240508 (FR)**

Application

**EP 22741493 A 20220701**

Priority

- FR 2107171 A 20210701
- EP 2022068307 W 20220701

Abstract (en)

[origin: WO2023275371A1] The present invention relates to a method for monitoring a system, comprising the following steps: i. obtaining timeseries describing the temporal evolution of a parameter of a system between an initial time and a final time, the final time being triggered by the occurrence of an abnormal event affecting the system, ii. for each timeseries, defining an abnormal time period and a normal time period, iii. for each timeseries, determining a metric characterizing each parameter of the series under consideration over the abnormal time period and over the normal time period, iv. determining association rules on the basis of the obtained characterizing metrics, v. validating the obtained association rules, and vi. predicting the occurrence or lack of occurrence of an abnormal event liable to affect a system to be monitored on the basis of the validated association rules.

IPC 8 full level

**G05B 19/042** (2006.01); **G05B 23/02** (2006.01)

CPC (source: EP)

**G05B 19/0426** (2013.01); **G05B 23/0221** (2013.01); **G05B 23/024** (2013.01)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**FR 3124868 A1 20230106; FR 3124868 B1 20230908; EP 4363938 A1 20240508; WO 2023275371 A1 20230105**

DOCDB simple family (application)

**FR 2107171 A 20210701; EP 2022068307 W 20220701; EP 22741493 A 20220701**