Title (en)

DEVICE AND METHOD FOR IDENTIFYING ANOMALIES IN AN INDUSTRIAL SYSTEM FOR CARRYING OUT A PRODUCTION PROCESS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ERKENNUNG VON ANOMALIEN IN EINER INDUSTRIELLEN ANLAGE ZUR AUSFÜHRUNG EINES PRODUKTIONSPROZESSES

Title (fr)

DISPOSITIF ET PROCÉDÉ DE DÉTECTION D'ANOMALIES DANS UNE INSTALLATION INDUSTRIELLE POUR L'EXÉCUTION D'UN PROCESSUS DE PRODUCTION

Publication

EP 4193227 A1 20230614 (DE)

Application

EP 21778101 A 20210917

Priority

- EP 20199293 A 20200930
- EP 2021075610 W 20210917

Abstract (en)

[origin: WO2022069258A1] A device according to the invention for identifying anomalies in an industrial system (1) for carrying out a production process (3) for a product, wherein the system comprises a multiplicity of sensors (7) for measuring process variables of the production process (3), comprises an anomaly detector (16) having at least one trained artificial intelligence (18). Said artificial intelligence is designed and trained to detect and/or to predict anomalies in the production process (3) based on a multiplicity of measured data (M) from the sensors (7). Upon detecting and/or predicting an anomaly, the anomaly detector (16) outputs anomaly information (A). Anomalies may in this case be detected and predicted at the same time in multiple different performance indicators (La - Ld) of the production process (3), wherein the performance indicators (La - Ld) each relate to the entire production process (3) for the production of the product.

IPC 8 full level

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CPC (source: EP US)

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See references of WO 2022069258A1

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