

Title (en)

METHOD FOR MONITORING AN INDUSTRIAL PLANT

Title (de)

VERFAHREN ZUR ÜBERWACHUNG EINER INDUSTRIEANLAGE

Title (fr)

PROCÉDÉ DE SURVEILLANCE D'UNE INSTALLATION INDUSTRIELLE

Publication

EP 2297623 A1 20110323 (DE)

Application

EP 09772536 A 20090703

Priority

- EP 2009058406 W 20090703
- AT 10602008 A 20080704

Abstract (en)

[origin: WO2010000836A1] The invention relates to a method for monitoring plants, in particular complex plants in the iron and steel industry, comprising the steps of recording at least two channels of measurement data of a plant, optionally saving the measurement data, defining a target channel from the measurement data, pre-processing the measurement data, creating at least one model of the target channel based on the measurement data and using the model so generated and the currently determined measurement data for detecting erroneous states of the plant. The object of the invention is to provide a method for monitoring industrial plants which improves upon the quality of the recorded measurement data of the plant and which can significantly reduce the amount of measurement data without resulting in a significant loss of information. This object is accomplished in a method in which the measurement data are, in the measurement data pre-processing step, subjected to the processing steps of 1) detection and elimination of "null channels", 2) detection and elimination of outliers, 3) filtering, 4) downsampling.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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