Title (en)

METHOD FOR MONITORING A PROCESS SYSTEM HAVING A FIELD BUS IN THE PROCESS AUTOMATION TECHNOLOGY

Title (de)

VERFAHREN ZUR ÜBERWACHUNG EINER PROZESSANLAGE MIT EINEM FELDBUS DER PROZESSAUTOMATISIERUNGSTECHNIK

Title (fr)

PROCÉDÉ DE SURVEILLANCE D'UNE INSTALLATION DE PROCESSUS AU MOYEN D'UN BUS DE CHAMP D'AUTOMATISATION DES PROCESSUS

Publication

EP 2188600 A2 20100526 (DE)

Application

EP 08802996 A 20080811

Priority

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- DE 102007043328 A 20070912

Abstract (en)

[origin: WO2009033904A2] The following process steps are carried out in a method for monitoring a process system having a field bus FB in the process automation technology, via which a plurality of field devices F1-F4 exchange telegrams with a process controller SPS for process control in regular data traffic. The telegrams transmitted via the field bus TR for process control SPS are tapped by a monitoring application UA, which performs an examination of the telegrams for data relevant for the monitoring application UA. Any data relevant for the monitoring application UA is processed as the actual value in a process model application, which is part of the monitoring application. An error signal is generated, if any significant deviation is detected between the target and actual values.

IPC 8 full level

G01F 23/00 (2006.01); **G05B 19/042** (2006.01); **G05B 19/05** (2006.01)

CPC (source: EP US)

G01F 23/804 (2022.01 - EP US); **G05B 19/0428** (2013.01 - EP US); **G05B 19/4184** (2013.01 - EP US); G05B 2219/31121 (2013.01 - EP US); G05B 2219/31348 (2013.01 - EP US); G05B 2219/31434 (2013.01 - EP US); G06F 15/177 (2013.01 - US); Y02P 90/02 (2015.11 - EP US)

Citation (search report)

See references of WO 2009033904A2

Designated contracting state (EPC)

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