

Title (en)  
METHOD AND APPARATUS FOR MALFUNCTION MONITORING OF A SYSTEM COMPRISING SEVERAL MANUFACTURING FACILITIES

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR FEHLERÜBERWACHUNG EINES MEHRERE ANLAGEN AUFWEISENDEN GESAMTSYSTEMS

Title (fr)  
MÉTHODE ET DISPOSITIF DE SURVEILLANCE D'UN SYSTÈME COMPRENANT PLUSIEURES INSTALLATIONS

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Application  
**EP 10721507 A 20100527**

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Abstract (en)  
[origin: WO2010142535A1] The invention relates to a method for monitoring errors in an overall system comprising a plurality of installations, wherein the installations (2, 3, 4, 5) communicate with each other via a data transmission system (7) having a predetermined transmission bandwidth, wherein at least one installation component (2a, 2b, 2c, 3a, 3b, 4a, 4b, 4c, 4d, 5a, 5b) of each installation (2, 3, 4, 5) transmits a predetermined piece of information in a defined time slot of the transmission bandwidth of the data transmission system (7). In order to be able to perform an anticipatory machine diagnosis of the overall system, information about an error diagnosis of the installation components (2a, 2b, 2c, 3a, 3b, 4a, 4b, 4c, 4d, 5a, 5b) of each installation (2, 3, 4, 5) is transmitted via the predetermined transmission bandwidth of the data transmission system (7), wherein at least one installation component (2a, 2b, 2c, 3a, 3b, 4a, 4b, 4c, 4d, 5a, 5b) of each installation (2, 3, 4, 5) to be monitored for errors transmits the error diagnosis data thereof via an unassigned time window within the transmission bandwidth of the data transmission system (7) to a central evaluation unit (6), which receives the error diagnosis data of all installation components (2a, 2b, 2c, 3a, 3b, 4a, 4b, 4c, 4d, 5a, 5b) of the installations (2, 3, 4, 5) to be monitored via the data transmission system (7).

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