

Title (en)

AUTOMATED ASSIGNMENT OF MEASUREMENT DATA FOR CLOUD-BASED MONITORING OF MECHANICAL ASSETS

Title (de)

AUTOMATISIERTES ZUORDNEN VON MESSDATEN ZUR CLOUDBASIERTEN ÜBERWACHUNG MECHANISCHER ASSETS

Title (fr)

ASSOCIATION AUTOMATISÉE DE DONNÉES DE MESURE À LA SURVEILLANCE PAR CLOUD DES ACTIFS MÉCANIQUES

Publication

EP 3688534 A1 20200805 (DE)

Application

EP 18768775 A 20180822

Priority

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- EP 2018072647 W 20180822

Abstract (en)

[origin: WO2019063213A1] A method is proposed for assigning measurement data for cloud-based monitoring in particular of mechanical assets of an industrial facility, wherein the industrial facility has a measurement data archive in which measurement data from a multiplicity of measurement points, in particular pressure or flow sensors, are stored, the assignment method comprising: establishing an asset that has a particular type, in particular a valve or a pump, wherein the asset is assigned a characteristic measurement value with an associated measurement point in the cloud; reading a general physical connection, stored in the cloud for the particular asset type, between measurement values, relevant to the particular asset type, from various measurement points; gradually estimating the parameters of the physical connection, using the characteristic measurement value belonging to the particular asset type and the measurement data, stored in the measurement data archive, of the measurement values relevant to the particular asset; gradually comparing the previously determined physical connection with the measurement data used for the estimation and determining a residual; assigning the measurement data to a particular asset on the basis of a statistical evaluation of the determined residual.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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