

Title (en)
SYSTEM AND METHOD FOR CREATING AND CARRYING OUT AN INSTALLATION CLEANING PROCESS FOR PROCESS INSTALLATIONS

Title (de)
SYSTEM UND VERFAHREN ZUM ERSTELLEN UND DURCHFÜHREN EINES ANLAGENREINIGUNGSPROZESSES FÜR
VERFAHRENSTECHNISCHE ANLAGEN

Title (fr)
SYSTÈME ET PROCÉDÉ POUR ÉTABLIR ET RÉALISER UN PROCÉDÉ DE NETTOYAGE D'INSTALLATION POUR DES INSTALLATIONS
TECHNIQUES DE PROCÉDÉ

Publication
EP 3628029 A1 20200401 (DE)

Application
EP 17764520 A 20170823

Priority
EP 2017071220 W 20170823

Abstract (en)
[origin: WO2019037842A1] System (S) for creating and carrying out a cleaning-in-place installation cleaning process for a process installation and an associated method. The installation to be cleaned is represented in the form of process modules (PM1,..., PMn) which each comprise an item of self-description information (SI1,..., SIn) with respect to the respective cleaning properties and are designed to transmit the particular self-description information (SI1,..., SIn). The system (S) has at least one auxiliary module (HM1,..., HMn) which provides auxiliary services for the installation cleaning process, and a process planning unit (PPE) which has an item of cleaning process information (RI) comprising cleaning steps needed at least for the installation cleaning process and model descriptions of cleaning efficiency for each cleaning step. On the basis of the cleaning process information supplemented with self-description information (SI1,..., SIn) relating to the process modules (PM1,..., PMn) and taking into account the information (HI1,..., HIn) relating to the at least one auxiliary module (HM1,..., HMn), the process planning unit (PPE) determines a cleaning schedule (RA) in an at least partially automated manner on a system-specific basis.

IPC 8 full level
B08B 9/032 (2006.01); **B67C 3/00** (2006.01); **G06Q 10/06** (2012.01)

CPC (source: EP US)
B08B 9/0325 (2013.01 - EP US); **B08B 13/00** (2013.01 - US); **G05B 19/41865** (2013.01 - US); **G06Q 10/0631** (2013.01 - EP US)

Citation (search report)
See references of WO 2019037842A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2019037842 A1 20190228; CN 110944760 A 20200331; CN 110944760 B 20230217; EP 3628029 A1 20200401;
US 2020360973 A1 20201119

DOCDB simple family (application)
EP 2017071220 W 20170823; CN 201780094158 A 20170823; EP 17764520 A 20170823; US 201716640503 A 20170823