

Title (en)

MODULAR PROCESS CONTROL SYSTEM FOR A CHEMICAL PROCESS

Title (de)

MODULARES PROZESSLEITSYSTEM FÜR EINEN CHEMISCHEN PROZESS

Title (fr)

SYSTÈME MODULAIRE DE COMMANDE DE PROCESSUS POUR UN PROCESSUS CHIMIQUE

Publication

**EP 3914385 A1 20211201 (DE)**

Application

**EP 20701065 A 20200123**

Priority

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- EP 2020051551 W 20200123

Abstract (en)

[origin: WO2020152235A1] The invention relates to a modular process control system (1a) and to a method for controlling said process control system for chemical processes. The process control system has a control unit (05), a process unit (01), an external module (03, 04) and a logistics module (02, 02', 02''). The logistics module is designed to accommodate a reactant E, a product P, an intermediate product Z and/or a reactor R (16, 16', 16'', 16''') and to transport same to or from the process unit and/or the module. The process unit is designed to receive E, Z and/or R from the logistics module, to accommodate R and to carry out a chemical process to produce P or Z. The logistics module is further designed to accommodate the P or Z produced by the process unit and/or to accommodate R and to transport same. The module is designed to accommodate E, P, Z and/or R from the logistics module or to deliver same thereto. The control unit is designed to receive data from the logistics module, the process unit or the module, to calculate an optimised process flow and, based on said optimised process flow, to control the logistics module, the process unit and the module.

IPC 8 full level

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