Title (en)

CONTROL SYSTEM, AND METHOD FOR CONFIGURING A CONTROL SYSTEM

Title (de)

STEUERUNGSSYSTEM SOWIE VERFAHREN ZUR KONFIGURATION EINES STEUERUNGSSYSTEMS

Title (fr)

SYSTÈME DE COMMANDE AINSI QUE PROCÉDÉ POUR LA CONFIGURATION D'UN SYSTÈME DE COMMANDE

Publication

EP 2100198 A1 20090916 (DE)

Application

EP 07847979 A 20071207

Priority

- EP 2007063526 W 20071207
- DE 102006058282 A 20061208

Abstract (en)

[origin: WO2008068333A1] The invention relates to a control system with service-oriented architecture for a flexible production system, comprising decentralized, distributed devices coupled together via a data communication system for the exchange of data, said devices having at least one software component and electrical and/or mechanical components. Said invention also relates to a method based on the development and implementation of service-oriented software components as component parts of a service-oriented architecture for decentralized, distributed devices in flexible production systems. In order to achieve the aim of making the control system configurable in a low-cost manner in the event of changes in the production system or different production scenarios, it is proposed that the software component is derived from a process or subprocess of a PPR model of the flexible production system, wherein each software component has a control logic derived from the process or subprocess, a flexible interface for access to resources represented in the PPR model, and a communications interface for integration into the service-oriented architecture.

IPC 8 full level

G05B 19/042 (2006.01); **G05B 19/418** (2006.01)

CPC (source: EP US)

G06F 8/00 (2013.01 - EP US); G05B 2219/23261 (2013.01 - EP US); G05B 2219/33055 (2013.01 - EP US); G05B 2219/33063 (2013.01 - EP US)

Citation (search report)

See references of WO 2008068333A1

Citation (examination)

- GEORGOUDAKIS M ET AL: "A Holonic Ontology-Based Multi-Agent System for the Distributed Scheduling and Monitoring of Industrial Processes", 10TH IEEE INTERNATIONAL CONFERENCE ON EMERGING TECHOLOGIES AND FACTORY AUTOMATION, IEEE, PISCATAWAY, NJ, USA, vol. 1, 19 September 2005 (2005-09-19), pages 915 - 920, XP010905427, ISBN: 978-0-7803-9401-8
- DELAMER I M ET AL: "A peer-to-peer discovery protocol for semantic web services in industrial embedded controllers", INDUSTRIAL ELECTRONICS SOCIETY, 2005. IECON 2005. 31ST ANNUAL CONFERENCE OF IEEE, IEEE, PISCATAWAY, NJ, USA, 6 November 2005 (2005-11-06), pages 2655 - 2661, XP010876334, ISBN: 978-0-7803-9252-6

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DOCDB simple family (publication)

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