

Title (en)

OPERATION OF AN ELECTRICAL COMPONENT IN A CYBER-PHYSICAL SYSTEM

Title (de)

BETRIEB EINER ELEKTRISCHEN KOMPONENTE IN EINEM CYBER-PHYSISCHEN SYSTEM

Title (fr)

FONCTIONNEMENT D'UN COMPOSANT ÉLECTRIQUE DANS UN SYSTÈME CYBER-PHYSIQUE

Publication

EP 3140703 A1 20170315 (DE)

Application

EP 14739735 A 20140707

Priority

EP 2014064460 W 20140707

Abstract (en)

[origin: WO2016004973A1] The problem addressed by the invention is to operate an electrical component (16) in a cyber-physical system (22). The adapter device (36) provided according to the invention for coupling the component (16) to a data network (20) of the cyber-physical system (22) comprises: a communication unit (40) which is designed to receive defined request data (24) from the data network (20) independently of the component; an interpretation unit (50) which is designed to determine a command (68) executable using the technical features of the component (16) depending on the request data (24); an assessment unit (52) which is designed to generate a potential solution (70') to the command (68) comprising at least one control signal (32) for the component (16) depending on operating data of the component (16); and a controller (66) which is designed to issue the at least one control signal (32) of the potential solution (70') to a control interface (30) of the component (16).

IPC 8 full level

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

CPC (source: EP US)

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Citation (search report)

See references of WO 2016004973A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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