Title (en)

DEVICE AND METHOD FOR INTEGRATING SOFTWARE COMPONENTS INTO A DISTRIBUTED TIME-CONTROLLED REAL-TIME SYSTEM

Title (de)

VORRICHTUNG UND VERFAHREN ZUR INTEGRATION VON SOFTWAREKOMPONENTEN IN EIN VERTEILTES ZEITGESTEUERTES ECHTZEITSYSTEM

Title (fr)

DISPOSITIF ET PROCÉDÉ D'INTÉGRATION DE COMPOSANTES LOGICIELLES DANS UN SYSTÈME DISTRIBUÉ EN TEMPS RÉEL À COMMANDE TEMPORELLE

Publication

EP 3314427 A1 20180502 (DE)

Application

EP 16745033 A 20160616

Priority

- AT 505492015 A 20150625
- AT 2016050208 W 20160616

Abstract (en)

[origin: WO2016205842A1] The invention relates to a device for integrating software components of a distributed real-time software system, said components being ran on target hardware and on a development system. The target hardware comprises computing nodes, and the development system comprises one or more computers. The device is designed as an expanded development system in which the computing nodes of the target hardware are connected to the computers of the development system via one or more time-controlled distributor units. The expanded development system has a sparse global time of known precision, and the computing nodes of the target hardware are connected to the computers of the development system via the one or more time-control distributor units such that the data content of a TT message template of a TT platform of the target hardware can be provided both by a simulation process of the development system as well as by an operative process of the target hardware in a timely manner.

IPC 8 full level

G06F 9/48 (2006.01); **G06F 9/54** (2006.01)

CPC (source: EP US)

G06F 8/65 (2013.01 - US); **G06F 8/71** (2013.01 - US); **G06F 9/4887** (2013.01 - EP US); **G06F 9/54** (2013.01 - EP US); **H04L 67/34** (2013.01 - US); H04L 67/10 (2013.01 - US)

Citation (search report)

See references of WO 2016205842A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016205842 A1 20161229; EP 3314427 A1 20180502; US 10671382 B2 20200602; US 2018165089 A1 20180614

DOCDB simple family (application)

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