Title (en)

METHOD FOR COMBINING RESULTS OF PERIODICALLY OPERATING EDP COMPONENTS AT THE CORRECT TIME

Title (de)

VERFAHREN ZUR ZEITRICHTIGEN ZUSAMMENFÜHRUNG VON ERGEBNISSEN VON PERIODISCH ARBEITENDEN EDV-KOMPONENTEN

Title (fr)

PROCÉDÉ DE REGROUPEMENT PRÉCIS DANS LE TEMPS, DE RÉSULTATS DE COMPOSANTES INFORMATIQUES FONCTIONNANT DE MANIÈRE PÉRIODIQUE

Publication

EP 2798495 A2 20141105 (DE)

Application

EP 12822954 A 20121227

Priority

- AT 18872011 A 20111227
- AT 2012050208 W 20121227

Abstract (en)

[origin: WO2013096986A2] The invention relates to a method for combining results of a multiplicity of periodically operating components of a distributed computer system at the correct time, wherein the components communicate solely by means of messages via at least one communication system, and wherein each component has a global time with the precision P. Provision is made for each component to be unambiguously associated with one of n hierarchical levels, preferably in system design, wherein the durations of the periods of the components, which are derived from the progression of the global time, are an integer multiple of one another, and wherein the phase of transmitting each message is synchronized with the corresponding phase of receiving each transmitted message within each longest period of the entire distributed computer system even if the transmitting components and the receiving components are arranged on different hierarchical levels and are spatially distributed. The invention also relates to a computer system for carrying out such a method.

IPC 8 full level

G06F 9/54 (2006.01); **G06F 9/52** (2006.01)

CPC (source: EP US)

G06F 9/52 (2013.01 - EP US); **G06F 9/542** (2013.01 - EP US); **G06F 11/1402** (2013.01 - US); **H04L 67/1095** (2013.01 - US)

Citation (search report)

See references of WO 2013096986A2

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

DOCDB simple family (publication)

WO 2013096986 A2 20130704; **WO 2013096986 A3 20140508**; EP 2798495 A2 20141105; US 2015046603 A1 20150212; US 9407696 B2 20160802

DOCDB simple family (application)

AT 2012050208 W 20121227; EP 12822954 A 20121227; US 201214369080 A 20121227