Title (en)

A METHOD FOR SYNCHRONISING PROCESS CONTROL EVENTS AND MEASUREMENTS IN A REAL-TIME PROCESS CONTROL AUTOMATION SYSTEM

Title (de)

VERFAHREN ZUM SYNCHRONISIEREN VON KONTROLLVORGÄNGEN UND MESSUNG IN ECHTZEIT-VERARBEITUNGS-KONTROLL-AUTOMATISATIONSYSTEM

Title (fr)

METHODE DE SYNCHRONISATION D'EVENEMENTS DE COMMANDE DE PROCESSUS ET DE MESURES DANS UN SYSTEME D'AUTOMATISATION DE COMMANDE DE PROCESSUS EN TEMPS REEL

Publication

EP 1002263 A2 20000524 (EN)

Application

EP 99931291 A 19990614

Priority

- FI 9900517 W 19990614
- FI 981388 A 19980615

Abstract (en)

[origin: WO9966377A2] The invention relates to a method for synchronising process control events and measurements in a real-time process control automation system comprising at least two units connected to each other by a communication channel, each unit having a real-time counter (RTC) and generating sampling pulses (SAMPLE_SYNC) for process control events and measurements, the method comprising the steps of synchronising the real-time counters of all units (SLAVE) but one to the real-time counter of said one unit (MASTER) by communication through the communication channel, and synchronising the generation of sampling pulses (SAMPLE_SYNC) in each of said units to the real-time counter (RTC) in the unit in question.

IPC 1-7

G06F 1/00

IPC 8 full level

G04G 7/00 (2006.01); **G04G 15/00** (2006.01)

CPC (source: EP)

G04G 7/00 (2013.01); **G04G 15/006** (2013.01)

Citation (search report)

See references of WO 9966377A2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 9966377 A2 19991223; **WO 9966377 A3 20000224**; AU 4784599 A 20000105; EP 1002263 A2 20000524; FI 981388 A0 19980615; FI 981388 A 19991216

DOCDB simple family (application)

FI 9900517 W 19990614; AU 4784599 A 19990614; EP 99931291 A 19990614; FI 981388 A 19980615