

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

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Application

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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.

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