

A Research of a Remote Control System Based on Timed Petri Net for PDA

陳文欽, 戴鎰家, 劉凱平

Industrial Management

Management

wenchin@chu.edu.tw

Abstract

In the distributed control system, it is not easy to communicate between different operating systems due to the different control platforms. Therefore, the control system is difficult to repair and upgrade. In this study, we employ Timed Petri Net to build up architecture of the real-time control system. The client not only can monitor the current status of production line via the World Wide Web in the OEM plant but also can allow equipment supplier to perform supervision, analysis, and repair in the real-time state. The operation of the hardware platform that is no longer limited to the personal computer (PC) can also support the use of PDA(Personal Digital Assistant), and internet browsing hardware, and web site monitoring system connected through the web page to monitor the purpose of monitoring equipment machine.

Keyword : Timed Petri Net; Modulus Production System; Remote Control System.