

Title (en)

METHOD FOR THE ENERGY-SAVING AND TIMELY TRANSMISSION OF EVENT NOTIFICATIONS

Title (de)

VERFAHREN ZUR ENERGIESPARENDEN UND RECHTZEITIGEN ÜBERTRAGUNG VON EREIGNISNACHRICHTEN

Title (fr)

PROCEDE POUR TRANSMETTRE A TEMPS DES MESSAGES D'EVENEMENTS EN ECONOMISANT DE L'ENERGIE

Publication

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Application

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Abstract (en)

[origin: WO2006110932A1] The invention relates to a method and a system-on-a-chip for the guaranteed and energy-saving transmission of event notifications in a distributed computer system comprising a plurality of servers (111, 112, 113, 114) which are interconnected via a time-controlled communication system (100). Said servers (111, 112, 113, 114) establish a joint time base having a previously known precision while being able to periodically exchange messages at predefined points in time. According to the invention, a guaranteed event notification is sent in a sporadic time-controlled message (SZN), such a sporadic time-controlled message that transports an event notification being sent only if the content of the sporadic time-controlled message has been modified since the last time it was sent, and the receiver stores the content of an incoming sporadic time-controlled message in a queue until the receiving process has read said content exactly one time in a consuming manner.

IPC 8 full level

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