

Title (en)

SYSTEM FOR SCHEDULING THE EXECUTION OF TASKS CLOCKED BY A VECTORIAL LOGIC TIME

Title (de)

SYSTEM ZUR PLANUNG DER AUSFÜHRUNG VON ANHAND EINER LOGISCHEN VEKTORIELLEN ZEIT GETAKTETEN TASKS

Title (fr)

SYSTEME D'ORDONNANCEMENT DE L'EXÉCUTION DE TACHES CADENCE PAR UN TEMPS LOGIQUE VECTORIEL

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Application

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Abstract (en)

[origin: WO2012045941A1] The invention relates to a method for executing a plurality of interdependent tasks in a multitasking system, including the following steps: associating a logic-time vector (H) with each task (T), said vector indicating the dependencies of the task with respect to a set of other tasks (Ta), and defining a partial-ordering relation on the set of logic-time vectors, such that a subsequent task, which depends on the execution of an occurrence of a preceding task, has a vector greater than that of the preceding task; executing the task (T) unless the vector thereof is greater than the vector of any one of the other tasks (Ta); and updating the vector of a completed task (T) to reflect the dependencies of a new occurrence of the completed task.

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