

Title (en)

COMPILATION OF COMPUTER PROGRAMS FOR MULTICORE PROCESSES AND THE EXECUTION THEREOF

Title (de)

KOMPILIEREN VON COMPUTERPROGRAMMEN FÜR MULTICORE-PROZESSOREN UND DEREN AUSFÜHRUNG

Title (fr)

COMPILATION DE PROGRAMMES INFORMATIQUES POUR PROCESSEURS MULTIC URS ET LEUR RÉALISATION

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Application

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Abstract (en)

[origin: WO2009021539A1] The invention relates to a method for compiling a source program (1) with at least two threads (2, 3) into a target program (4) for a realtime-capable target system having a multicore processor (6), a method for the execution of said target program (4) on the target system, and a device suitable for executing said target program (4). In order to accelerate the execution of the target program (4), the invention proposes that transit time information (7, 8) be generated for each of the at least two threads (2, 3) during compilation, which allows the target system to calculate the time required for execution of the associated thread (2, 3) before the execution thereof.

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