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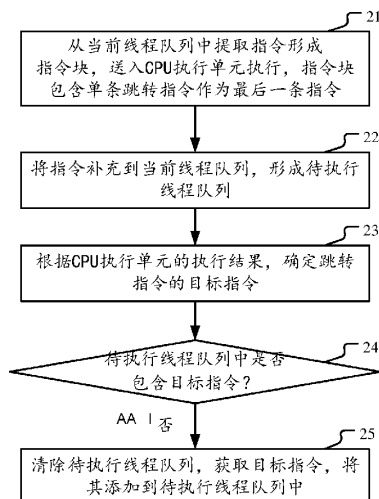
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(54) Title: METHOD FOR EXECUTING INSTRUCTIONS IN CPU

(54) 发明名称: 在 CPU 中执行指令的方法



- 21 Execute an instruction forming instruction block from a current thread queue so as to feed same into a CPU execution unit for execution, the instruction block containing a single jump instruction that acts as a final instruction
- 22 Replenish the current thread queue with an instruction to form a thread queue to be executed
- 23 According to the execution result of the CPU execution unit, determine a target instruction of the jump instruction
- 24 Is the target instruction contained in the thread queue to be executed?
- 25 Clear the thread queue to be executed to acquire the target instruction, and add same into a thread queue to be executed
- AA No

图 2

(57) Abstract: A method for executing instructions in a CPU, the method comprising: extracting an instruction forming instruction block from a current thread queue so as to feed same into a CPU execution unit for execution, the instruction block containing a single jump instruction that acts as a final instruction; further replenishing the current thread queue with at least one instruction to form a thread queue to be executed; and according to the execution result of the CPU execution unit, determining a target instruction of the jump instruction; then, determining whether the target instruction is contained in the thread queue to be executed; if not, clearing the thread queue to be executed to acquire the target instruction, and adding the target instruction into a thread queue to be executed.

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— 包括国际检索报告 (条约第21条(3))。

(57) 摘要: 一种在CPU中执行指令的方法, 该方法包括, 从当前线程队列中提取指令形成指令块, 以送入CPU执行单元执行, 上述指令块中包含单条跳转指令作为最后一条指令。还将至少一条指令补充到当前线程队列, 形成待执行线程队列。并且, 根据CPU执行单元的执行结果, 确定上述跳转指令的目标指令。接着, 判断待执行线程队列中是否包含所述目标指令; 如果不包含, 则清除所述待执行线程队列, 获取该目标指令, 并将该目标指令添加到待执行线程队列中。