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ABSTRACT

SLEEP STATE TRANSITIONING

A system has a processor with multiple states, including an awake state and a sleep state, a memory subsystem including a memory controller and memory devices, and a second memory. The system uses software in the second memory to initialize the memory controller upon a transition from a sleep state to an awake state. The system detects a wake event trigger, and in response to the wake event trigger, executes software stored in the second memory to initialize the memory controller, and then executes software out of the first memory after the initialization.

Fig. 1