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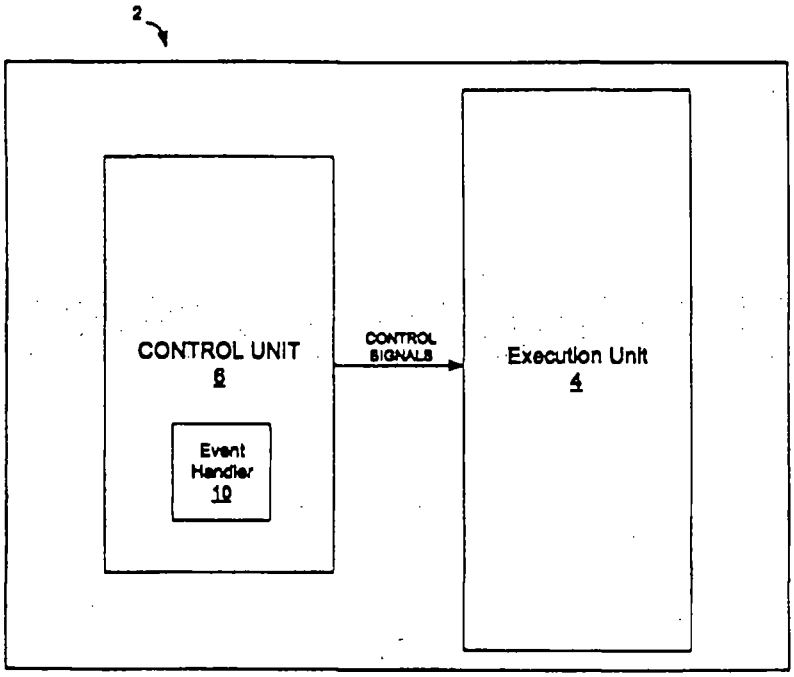
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(54) Title: EVENT HANDLING

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(57) Abstract: In one embodiment a processor is configured to handle events. Each event handled by the processor has an assigned priority. When a first event is serviced, a first priority mask is generated based on the assigned priority of the first event. The priority mask indicates a set of serviceable events and a set of non-serviceable events and may be written to a priority register. When a second event is received, the priority mask is used to determine whether the second event should preempt the first event and be immediately serviced.