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(54) Title: METHOD AND APPARATUS FOR ADJUSTING THE VOLTAGE AND FREQUENCY TO MINIMIZE POWER DISSIPATION IN A MULTIPROCESSOR SYSTEM

(57) Abstract: A method for adjusting the voltage and frequency to minimize power dissipation in a processor. The method of one embodiment comprises determining a power consumption value. The power consumption value is evaluated to obtain a new operating point. The new operating point is compared with a present operating point. A frequency setting and a voltage setting are adjusted to correspond to the new operating point if the new operating point is different from the present operating point.