



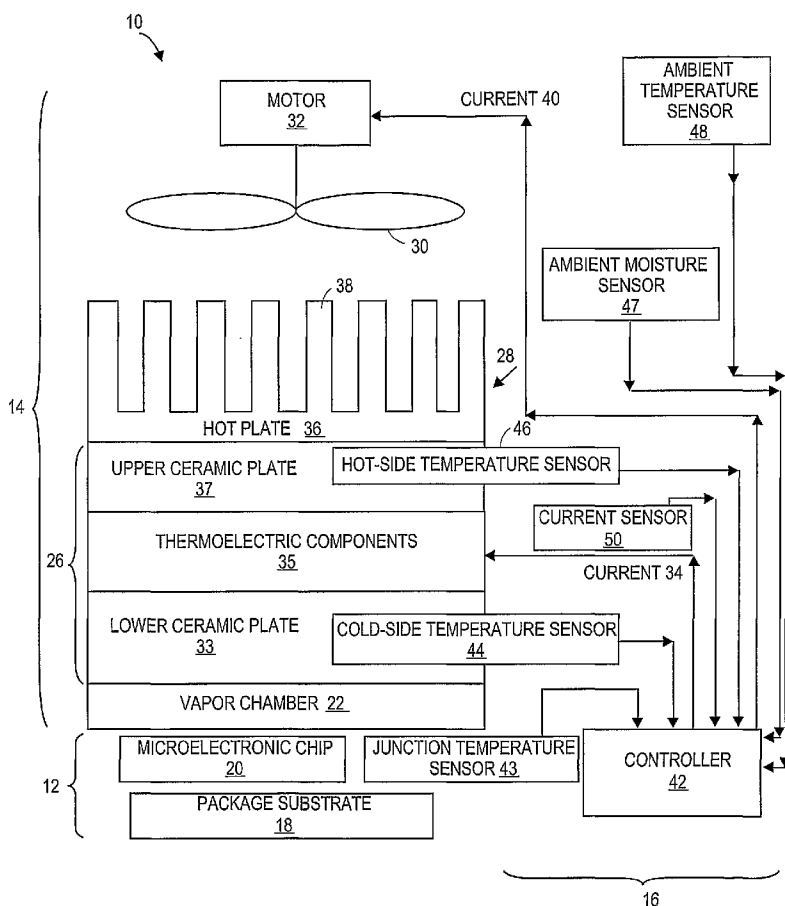
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| <p>(71) Applicant (<i>for all designated States except US</i>): INTEL CORPORATION [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US).</p> | |
| <p>(72) Inventors: SAUCIUC, Ioan; 1431 West Thunderhill Drive, Phoenix, AZ 85045 (US). CHRYSLER, Gregory;</p> | |

[Continued on next page]

(54) Title: A COMPUTER SYSTEM HAVING CONTROLLED COOLING



(57) Abstract: A computer system and its method of cooling are provided. A vapor chamber serves as a heat spreader for heat from the microelectronic die. A thermoelectric module serves to cool the vapor chamber and maintain proper functioning of the vapor chamber, thus keeping the microelectronic die cooled. A controller receives input from five temperature sensors, and utilizes the input to control current to the thermoelectric module and voltage/current to a motor that drives a fan and provides additional cooling. A current sensor allows the controller to monitor and limit power provided to the thermoelectric module.



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