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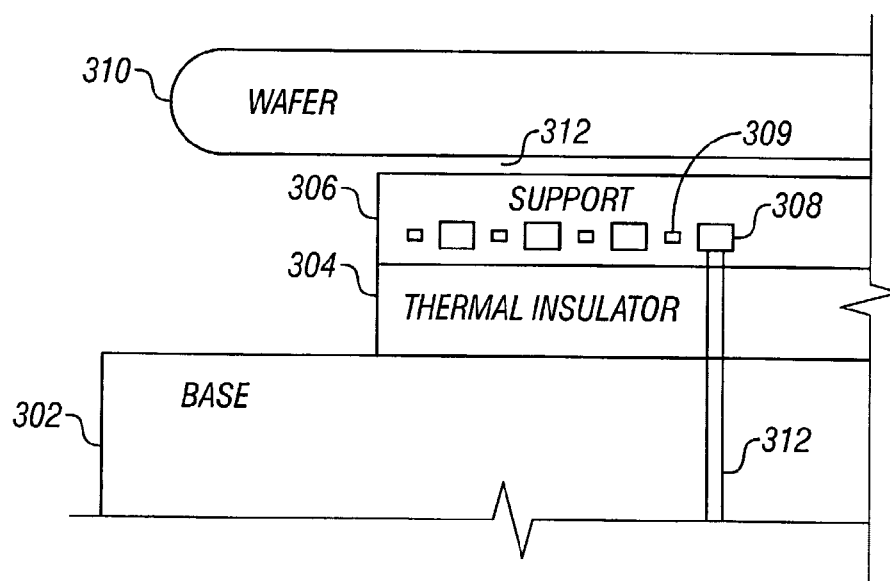
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- (71) Applicant: **LAM RESEARCH, CORPORATION**  
[US/US]; 4650 Cushing Parkway, Fremont, CA 94538 (US).
- (72) Inventors: **BENJAMIN, Neil**; 216 Green Street, East Palo Alto, CA 94303 (US). **STEGER, Robert**; 2240 Homestead Court, #307, Los Altos, CA 94024 (US). **Published:**  
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(54) Title: METHOD AND APPARATUS FOR CONTROLLING THE SPATIAL TEMPERATURE DISTRIBUTION ACROSS THE SURFACE OF A WORKPIECE SUPPORT



(57) Abstract: A chuck for a plasma processor comprises a temperature-controlled base (302), a thermal insulator (304), a flat support (306), and a heater (308). The temperature-controlled base (302) has a temperature below the desired temperature of a workpiece (310). The thermal insulator (304) is disposed over the temperature-controlled base (302). The flat support (306) holds a workpiece (310) and is disposed over the thermal insulator (304). A heater (308) is embedded within the flat support and/or disposed on an underside of the flat support. The heater includes a plurality of heating elements that heat a plurality of corresponding heating zones. The power supplied and/or temperature of each heating element is controlled independently.



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