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(71) Applicant (for all designated States except US): **SWITCH BULB COMPANY, INC.** [US/US]; 225 Charcot Avenue, San Jose, CA 95131 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WHEELOCK, Glenn** [US/US]; 6839 Eldridge Drive, San Jose, CA 95120 (US). **STONAS, Bernhard** [US/US]; 921 Central Blvd., Hayward, CA 94542 (US).

(74) Agents: **YIM, Peter J.** et al.; Marrison & Foerster LLP, 425 Market Street, San Francisco, CA 94105-2482 (US).

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(54) Title: EXPANDABLE LIQUID VOLUME IN AN LED BULB

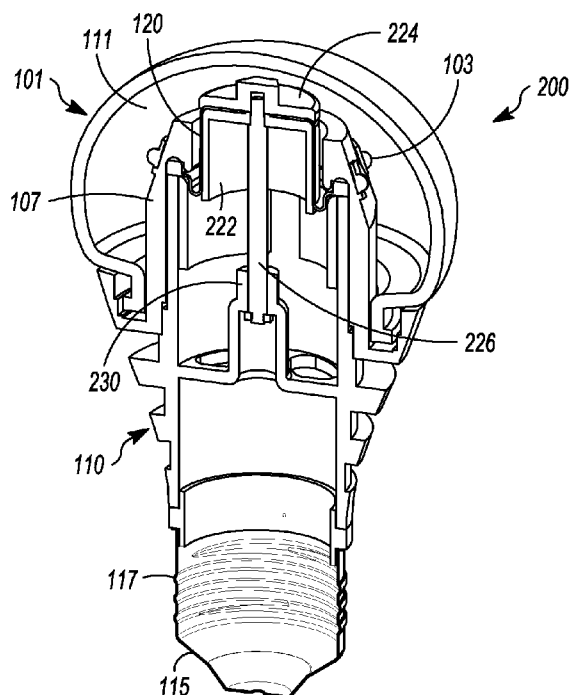


FIG. 2A

(57) Abstract: An LED bulb includes a base, a shell, a plurality of LEDs, a thermally conductive liquid, and a liquid-volume compensator mechanism. The thermally conductive liquid is held within the shell. The plurality of LEDs is disposed within the shell, and immersed in the thermally conductive liquid. The liquid-volume compensator mechanism is disposed within the LED bulb. The liquid-volume compensator mechanism is configured to compensate for expansion of the thermally conductive liquid. The liquid-volume compensator mechanism moves from a first position to a second position. A first volume is provided for the thermally conductive liquid in the first position. A second volume, which is greater than the first volume, is provided for the thermally conductive liquid in the second position.



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