

(19) **United States**

(12) **Patent Application Publication**

(10) **Pub. No.: US 2002/0113244 A1**

Barnett et al.

(43) **Pub. Date:**

Aug. 22, 2002

(54) **HIGH POWER LED**

(52) **U.S. Cl.** 257/98; 257/432

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(57) **ABSTRACT**

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A method and system are taught for a system comprising an LED package. The LED package may comprise an anode, a cathode coupled to the anode, an LED die coupled to the cathode and the anode, a lens coupled to the anode, and a viscous or silicone material located in a cavity defined by the lens, the cathode, and the anode. The viscous or silicone material may be a gel, a grease, a non-resilient material, or a non-liquid material. The method and system may further comprise a mounting device, wherein the lens is mechanically coupled to the mounting device in a socket, bayonet, or screwing like fashion. The method and system may further comprise an anode strip comprising an array of anodes utilized to form an array of the LED packages and a carrier strip comprising receiving devices to receive the array of LED packages. A portion of the lens may either be coated with or comprise light excitable material or the viscous material may comprise light excitable material, such that the system emits white light.

(21) Appl. No.: **10/073,731**

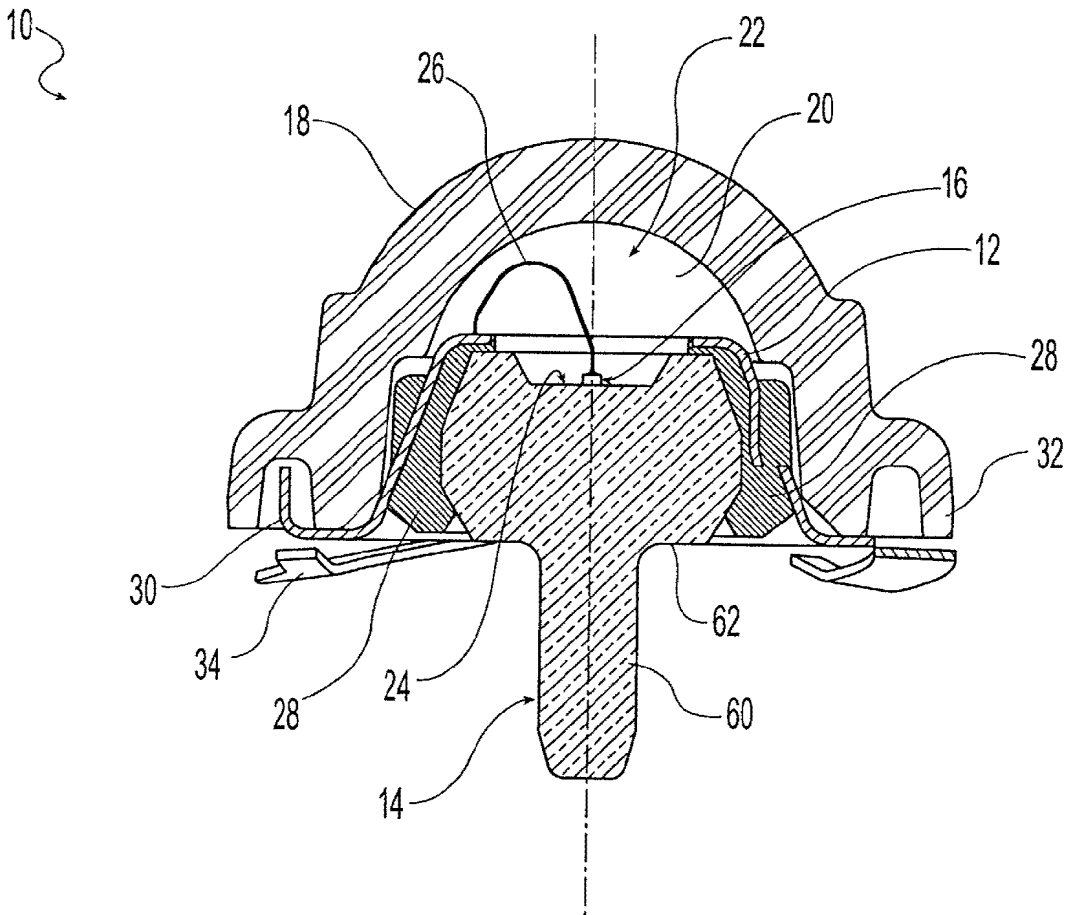
(22) Filed: **Feb. 11, 2002**

Related U.S. Application Data

(60) Provisional application No. 60/270,572, filed on Feb. 22, 2001.

Publication Classification

(51) **Int. Cl.⁷** **H01L 33/00**



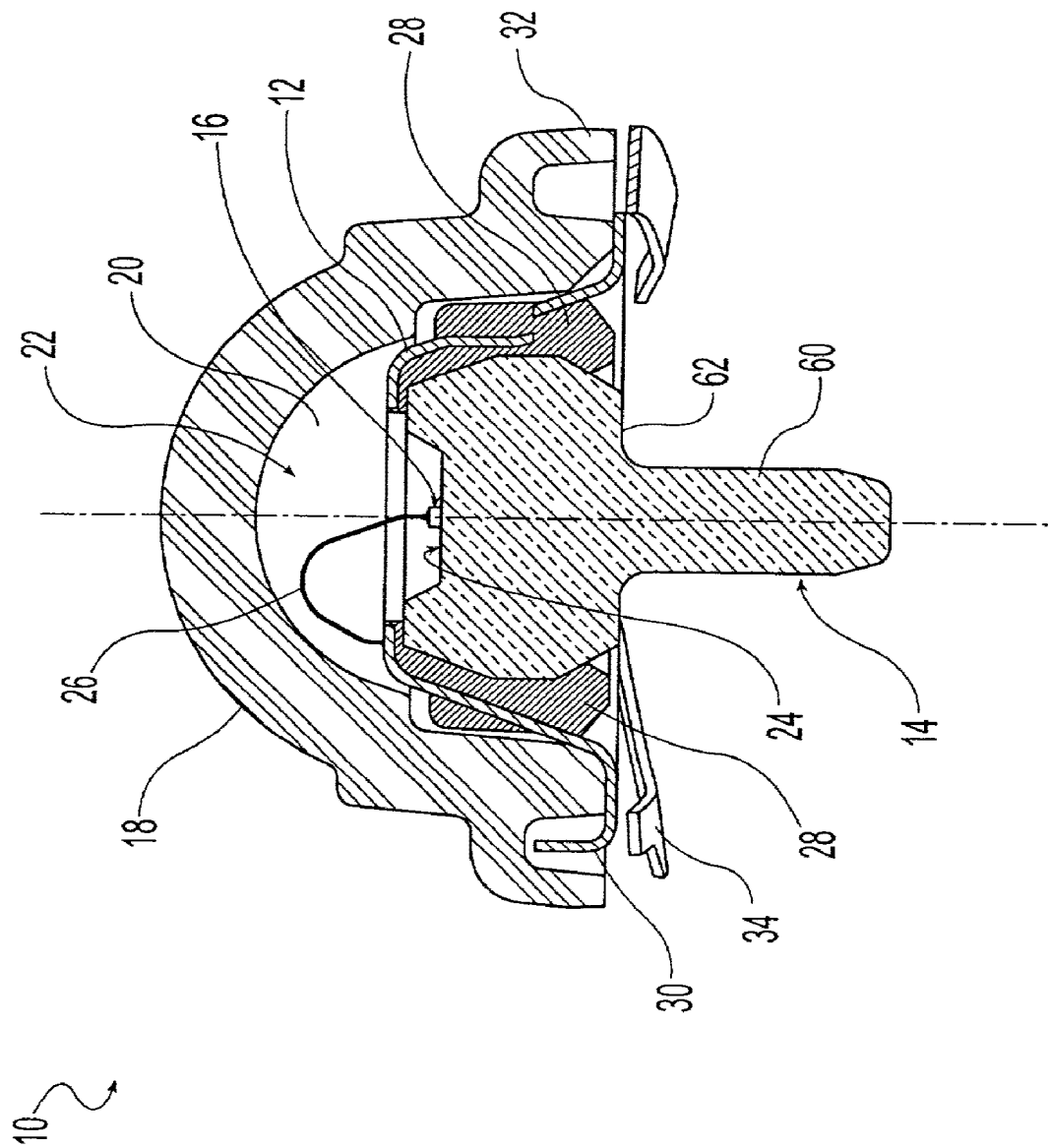


Fig. 1A

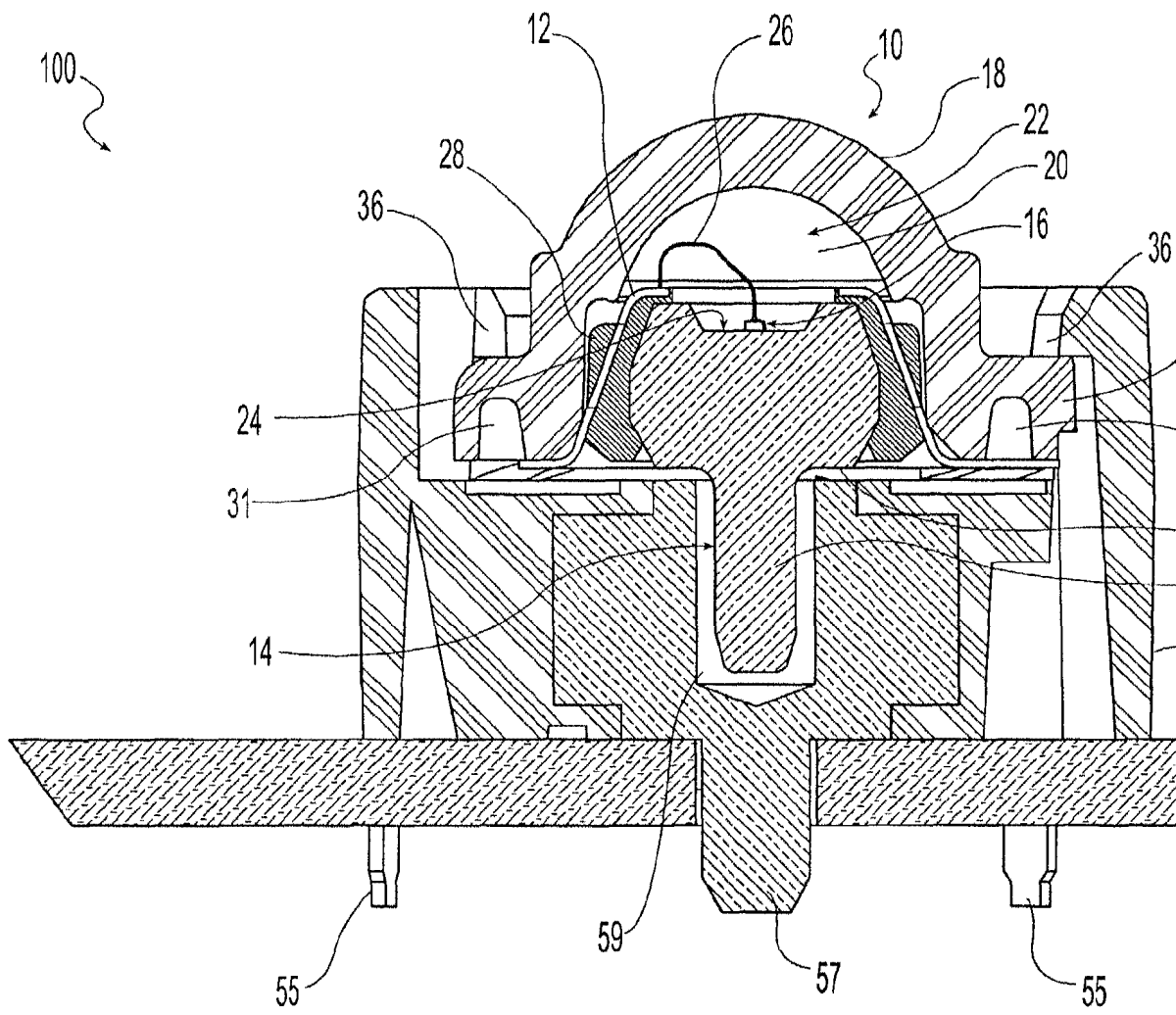


Fig. 1B

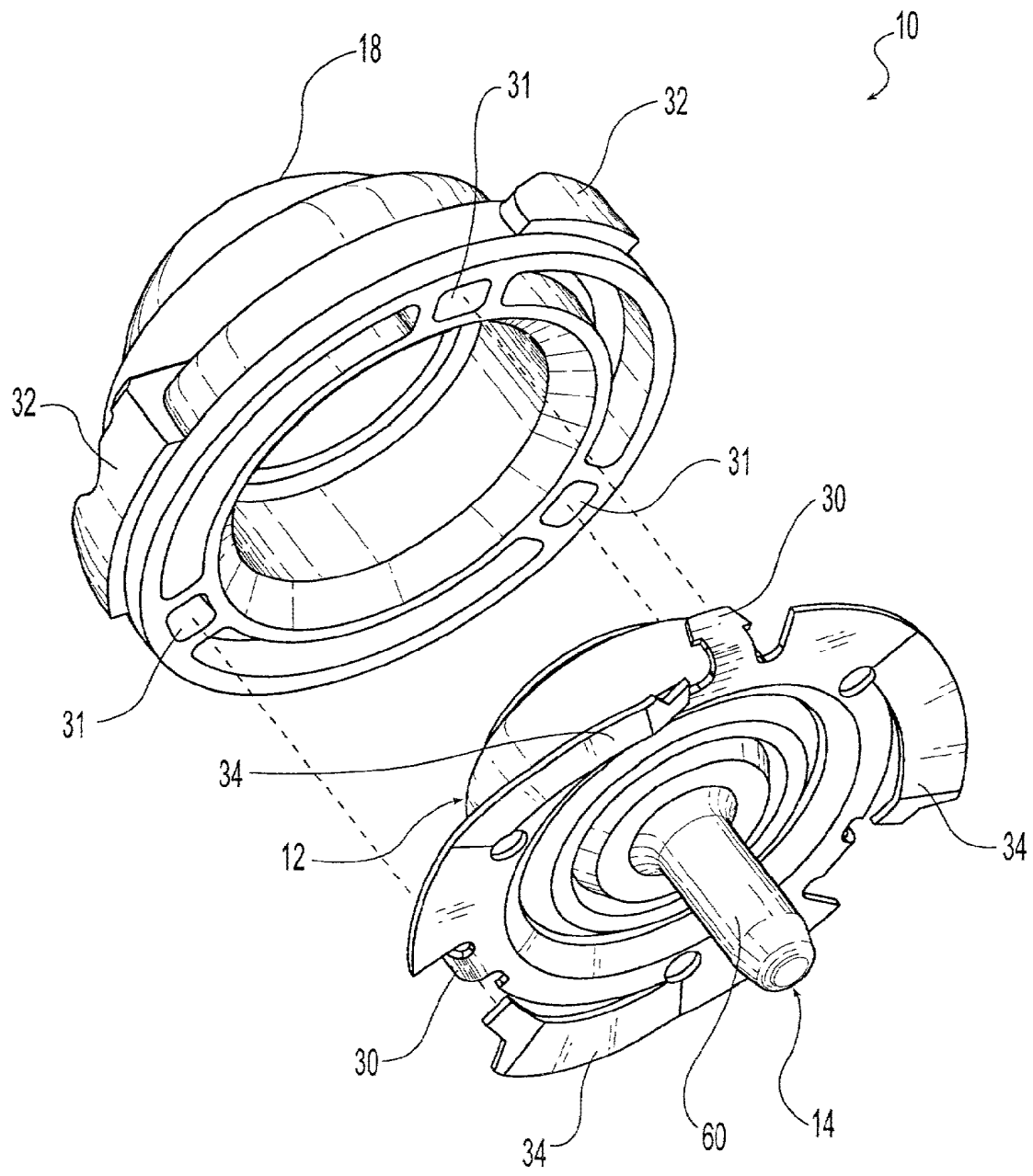


Fig. 2

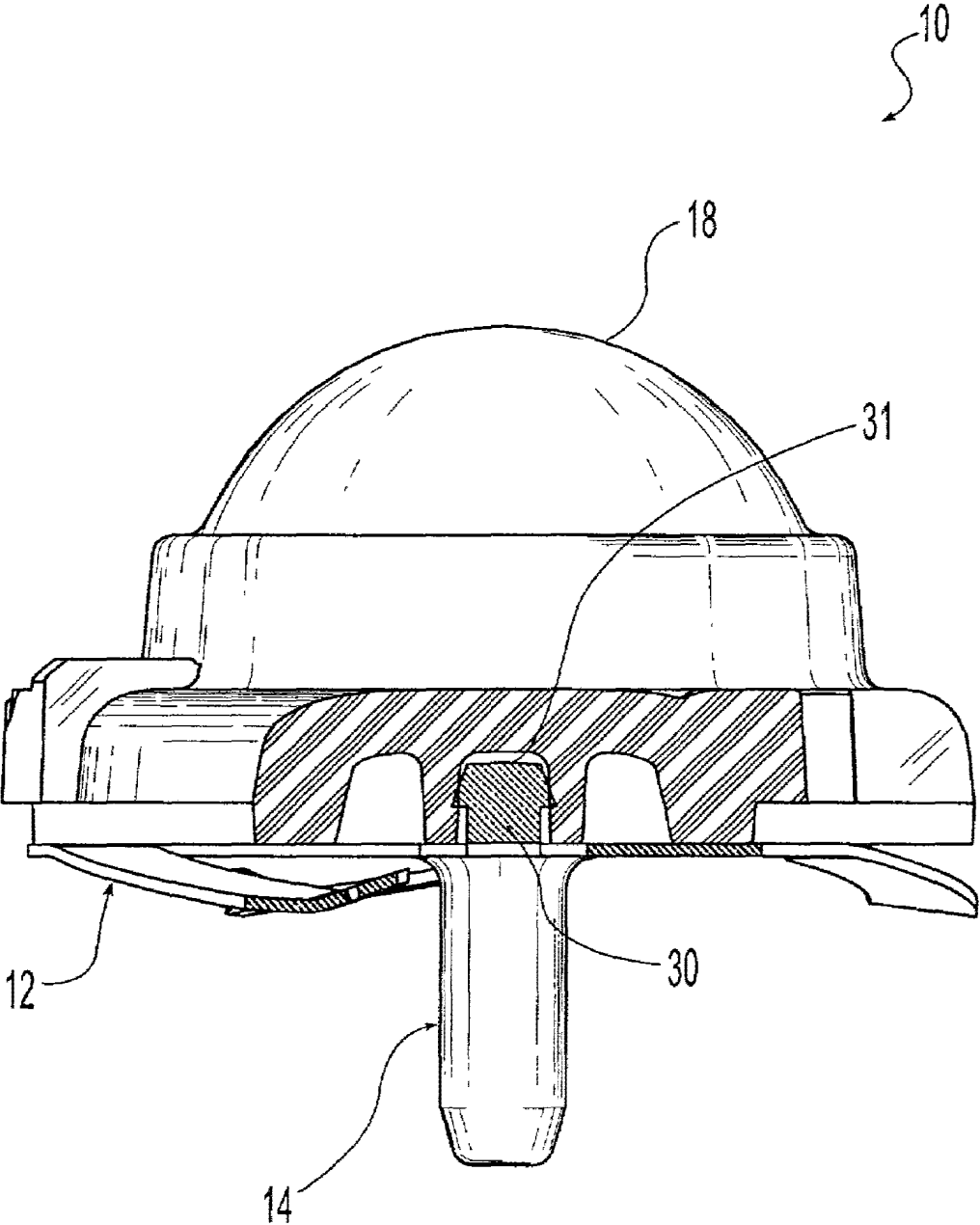


Fig. 3

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