



(12) **United States Patent**
Zhang et al.

(10) **Patent No.:** **US 7,722,227 B2**
(45) **Date of Patent:** **May 25, 2010**

(54) **LIGHTING FIXTURE WITH RECESSED
BAFFLE TRIM UNIT**

(56) **References Cited**

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Daniel Dix, Irvine, CA (US)

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

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(65) **Prior Publication Data**
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(57) **ABSTRACT**

Related U.S. Application Data

(63) Continuation of application No. 29/295,943, filed on
Oct. 10, 2007, now Pat. No. Des. 595,452.

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10, 2007.

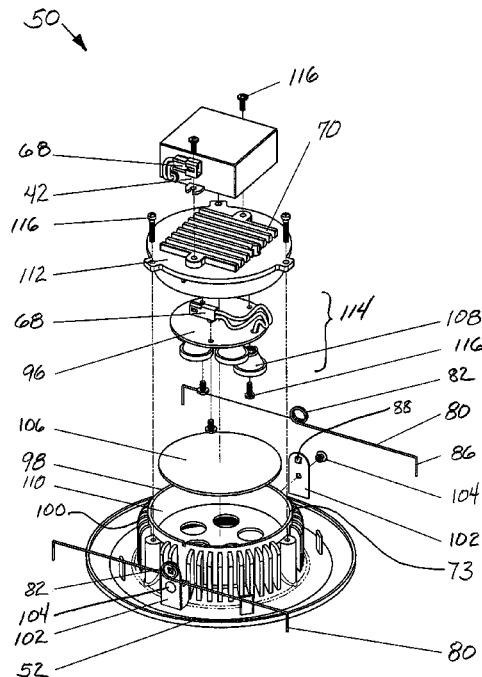
A recessed lighting fixture providing illumination from a
light source comprising a plurality of light emitting diodes
(LEDs) placed within a cavity of a planar surface, such as a
ceiling, wall, or shower. The fixture comprises a baffle inte-
grated with a low profile heat sink that is used to draw heat out
of the fixture and communicate that heat to a trim ring of the
fixture for dissipation of the heat in the room so that higher
intensity light sources can be used. Improved grounding of
the recessed trim unit to the recessed housing is provided with
combination support and grounding springs. One embodi-
ment of the light source is fixed in position while a second
embodiment is gimbal mounted for aiming the light produced
by the fixture.

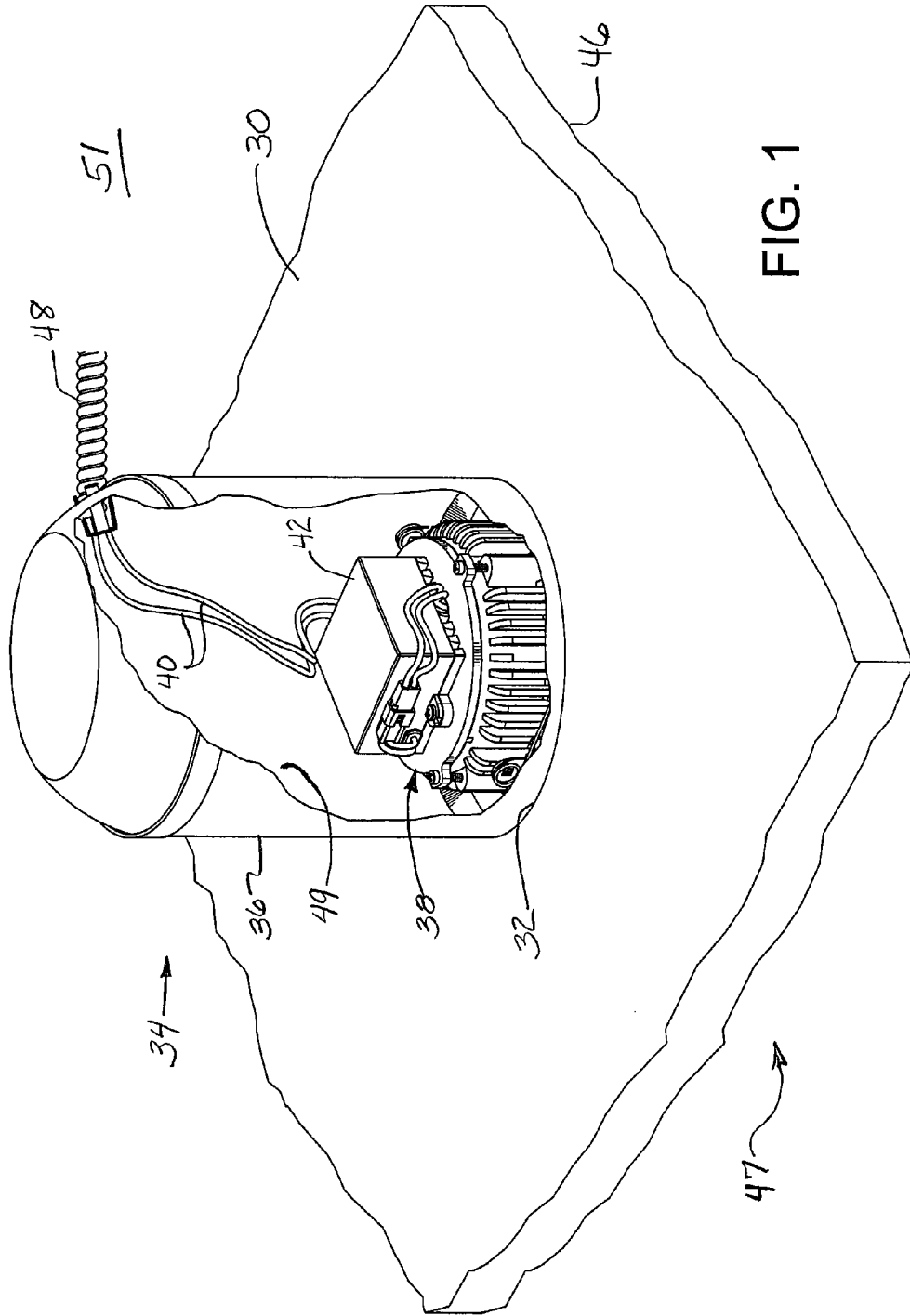
(51) **Int. Cl.**
F21V 17/00 (2006.01)

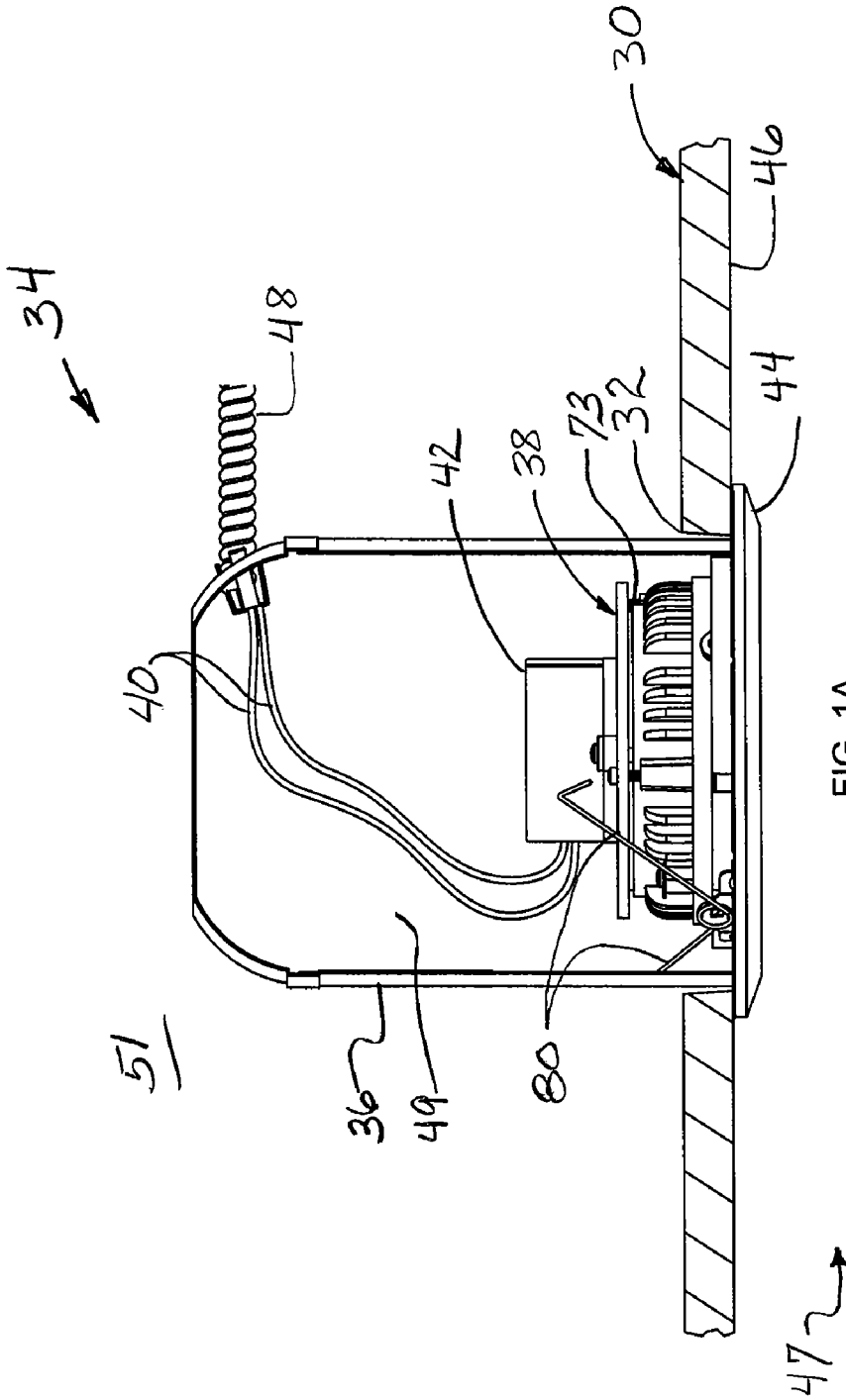
(52) **U.S. Cl.** **362/364; 362/147; 362/294;**
362/362; 362/365; 362/373

(58) **Field of Classification Search** **362/147-148,**
362/294, 362, 364-366, 368, 372-373
See application file for complete search history.

26 Claims, 20 Drawing Sheets







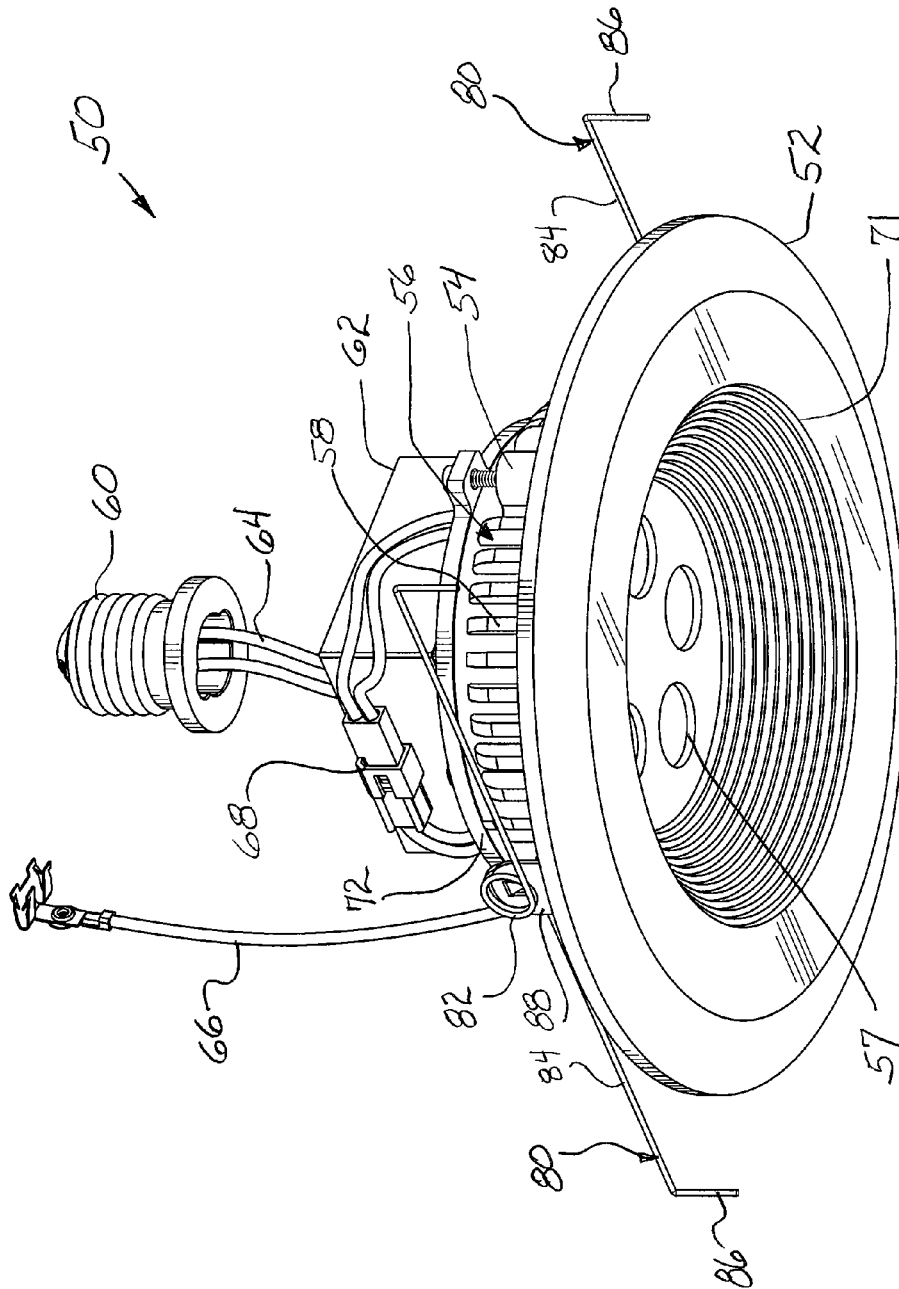


FIG. 2

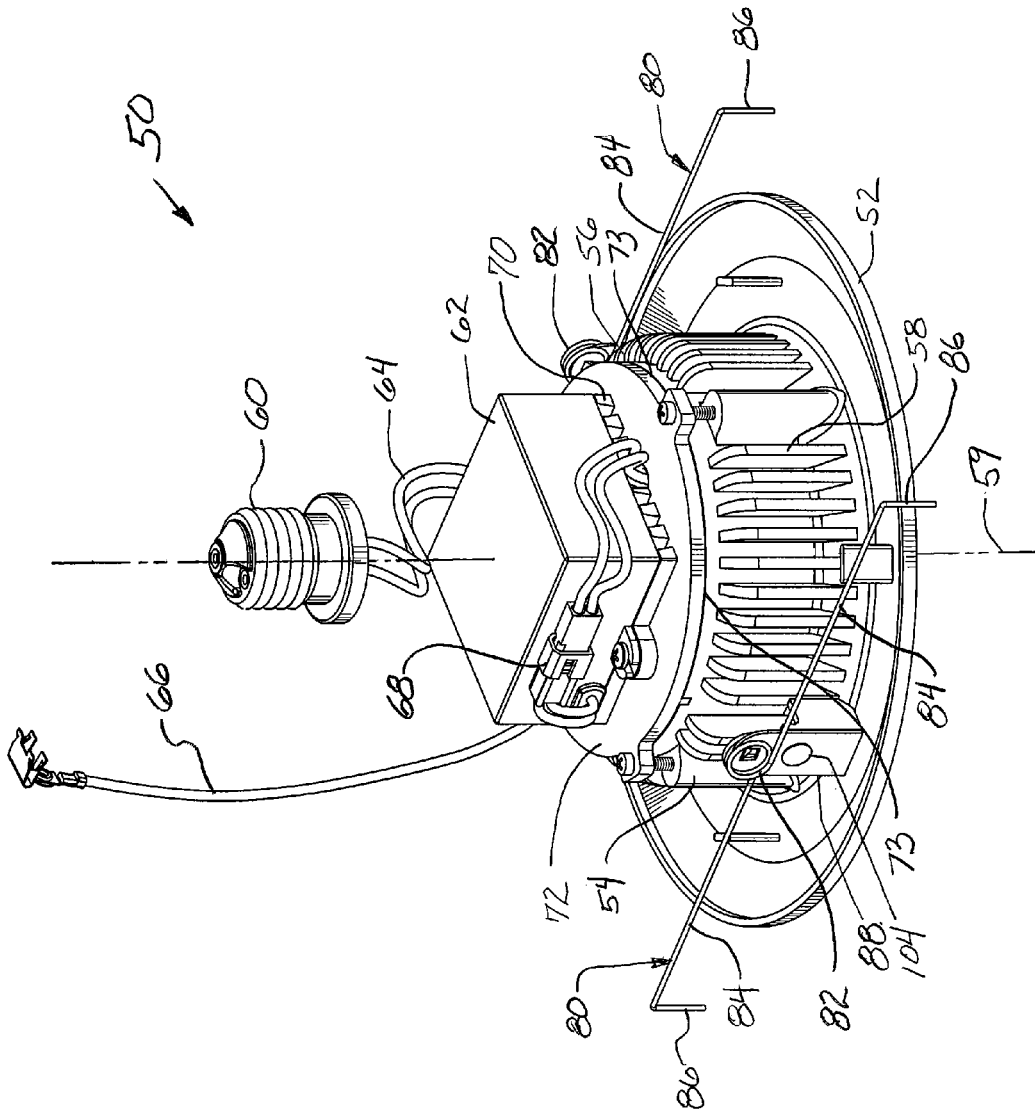


FIG. 3

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