

# United States Patent [19]

Paff et al.

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[45] Date of Patent: May 23, 1989

- [54] SURVEILLANCE ASSEMBLY HAVING ENHANCED SHIELDING AND REDUCED SIZE
- [75] Inventors: Robert Paff, Boca Raton; Edwin Thompson, Loxahatchee, both of Fla.
- [73] Assignee: Sensormatic Electronics Corporation, Deerfield Beach, Fla.
- [21] Appl. No.: 157,803
- [22] Filed: Feb. 19, 1988
- [51] Int. Cl.<sup>4</sup> ..... H04N 7/18
- [52] U.S. Cl. .... 358/108; 358/210; 358/213.11; 358/229
- [58] Field of Search ..... 358/108, 225, 229, 210, 358/213.11

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Primary Examiner—Howard W. Britton  
 Attorney, Agent, or Firm—Robin, Blecker & Daley

### [57] ABSTRACT

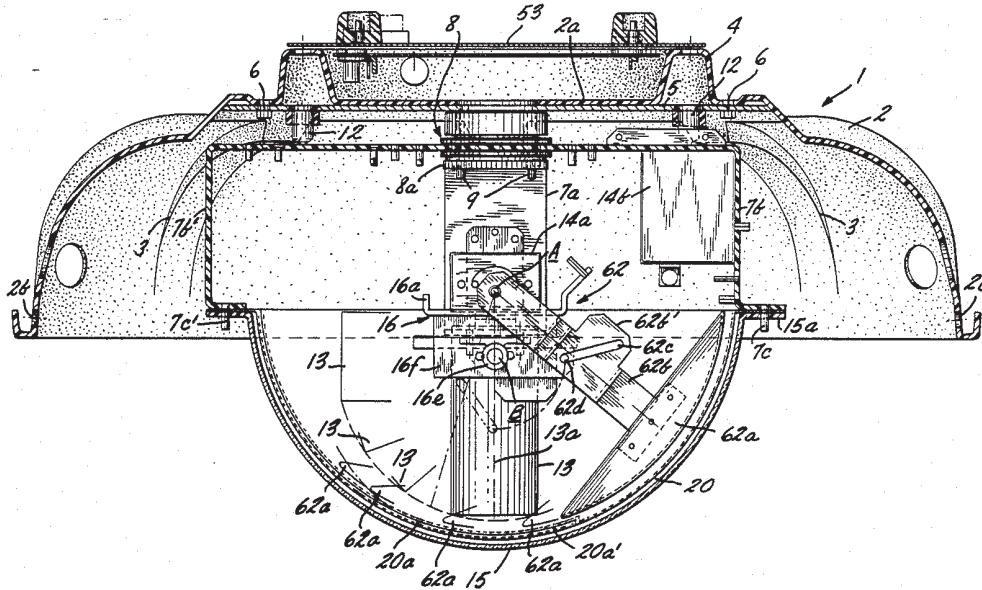
A surveillance assembly wherein the assembly utilizes a solid state image pickup which is separately mounted from a camera body of a solid state camera and wherein a shutter is utilized for shielding the viewing region of the assembly.

33 Claims, 5 Drawing Sheets

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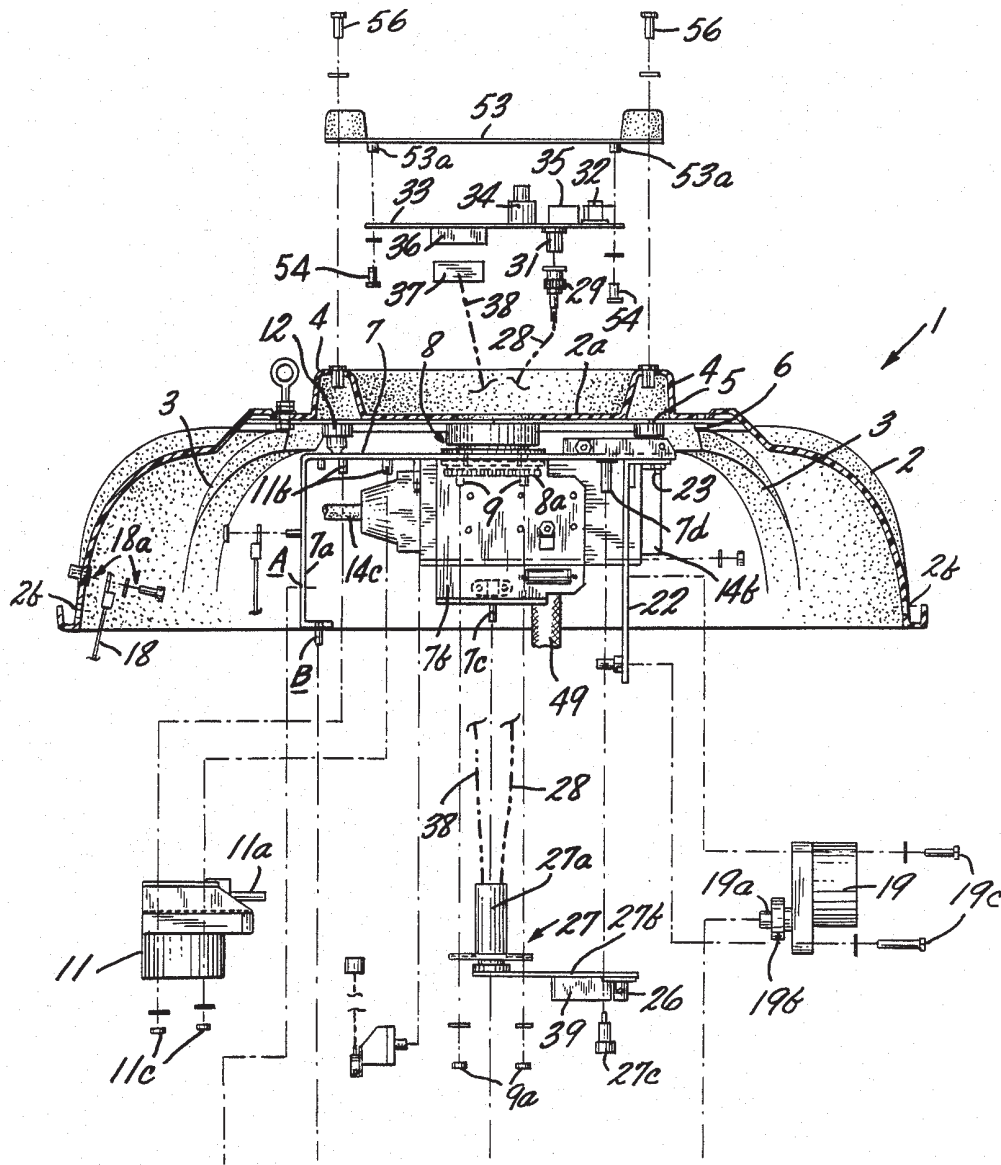
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FIG. 1A



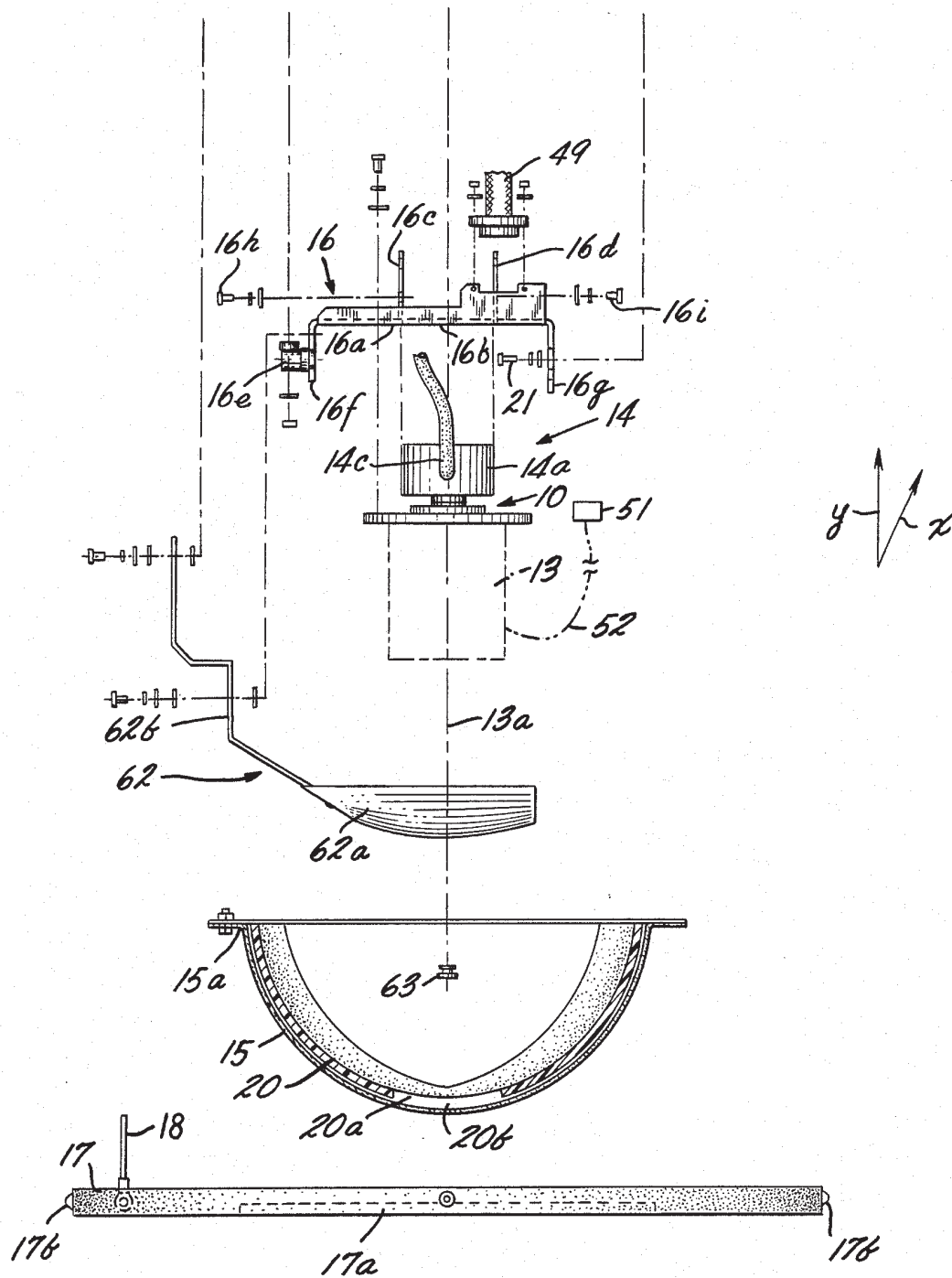


FIG. 1B

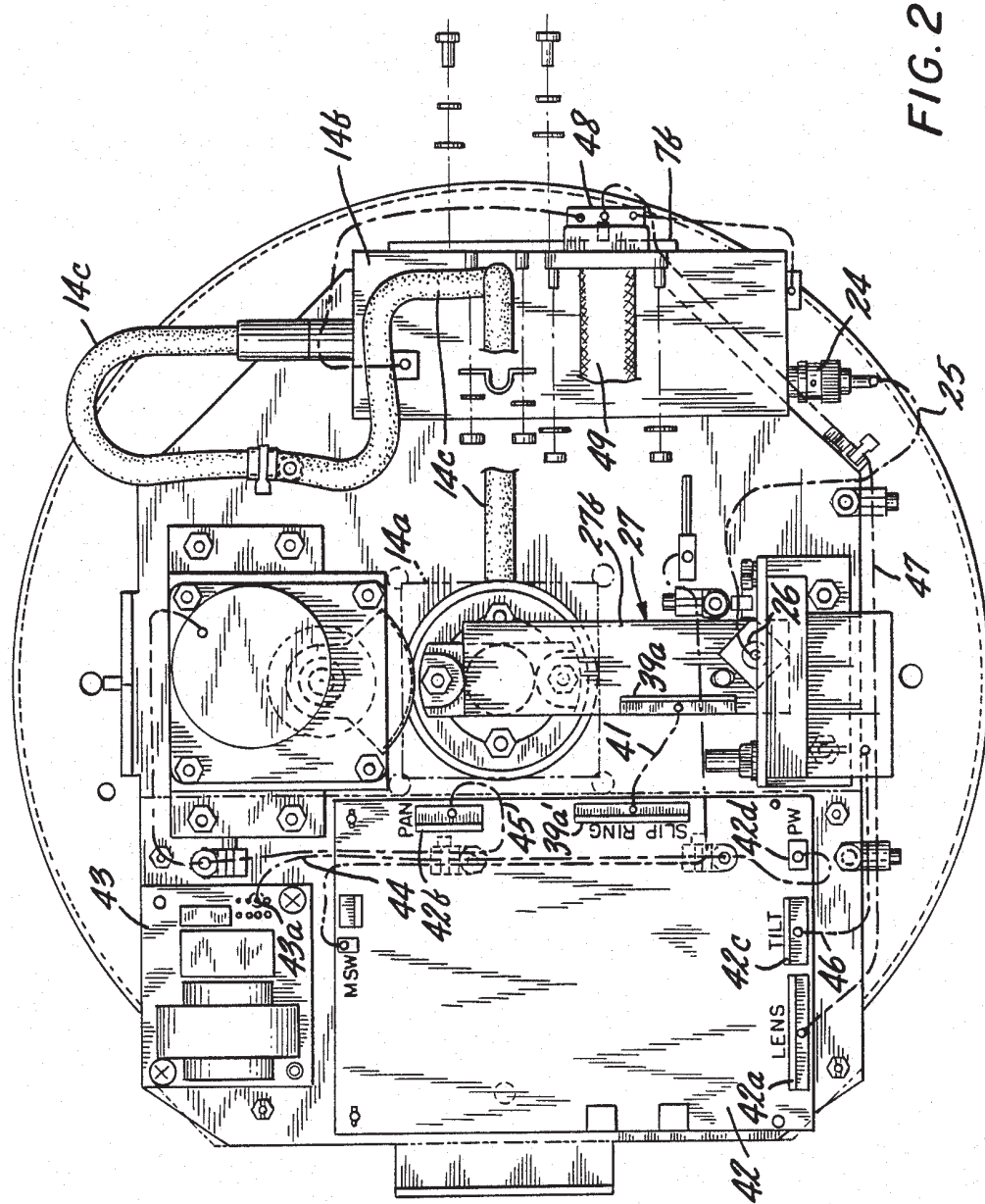


FIG. 2

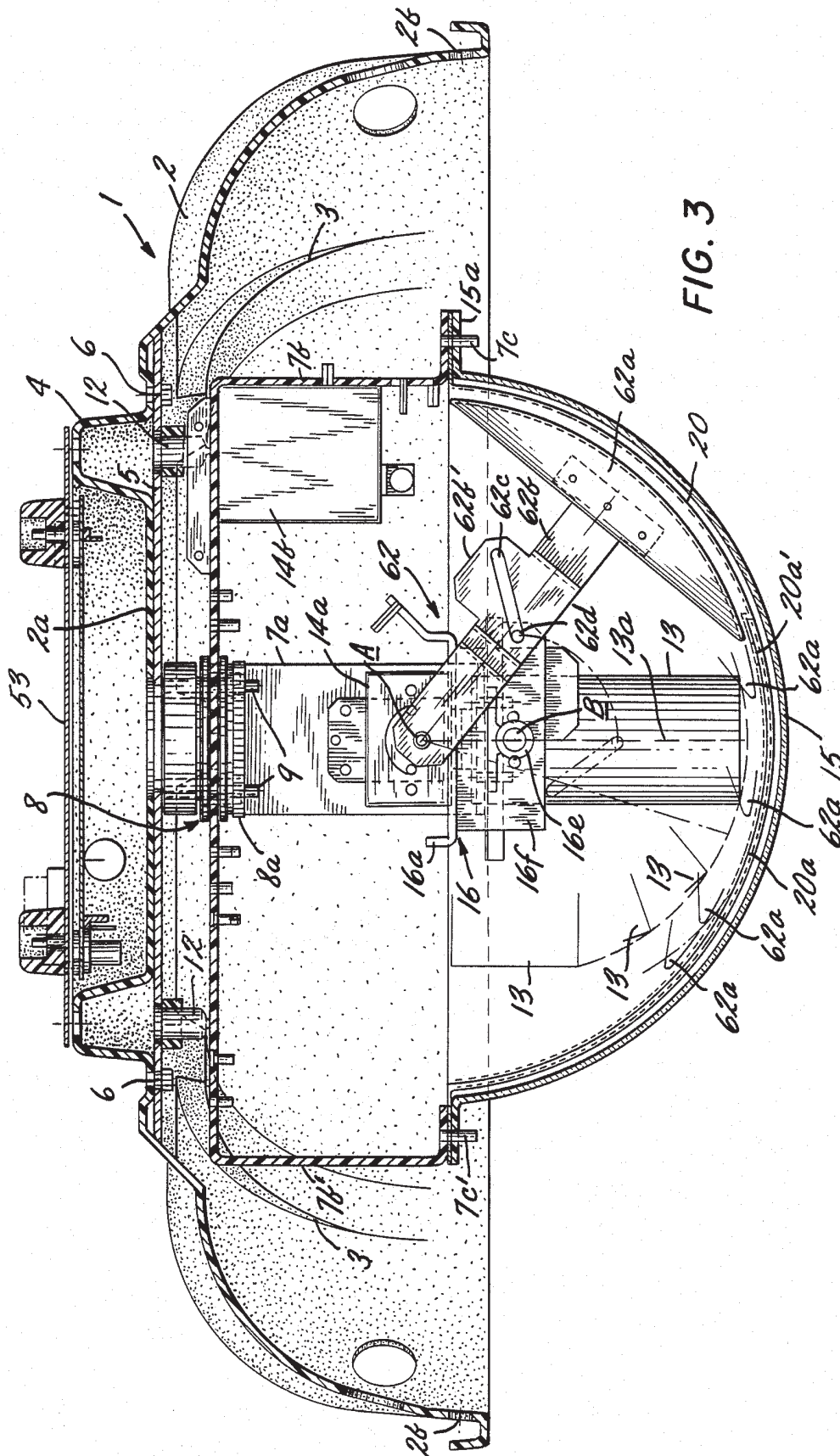


FIG. 3

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