

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

(10) **Patent No.:** **US 6,215,597 B1**
(45) **Date of Patent:** **Apr. 10, 2001**

(54) **APPARATUS FOR FORMING A PLURALITY OF SUBIMAGES HAVING DIFFERENT CHARACTERISTICS**

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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.

(21) Appl. No.: **09/441,825**

(22) Filed: **Nov. 17, 1999**

(51) Int. Cl.⁷ **G02B 27/14**

(52) U.S. Cl. **359/637; 359/634**

(58) Field of Search 359/618, 634, 359/640, 637

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(57) **ABSTRACT**

Apparatus for forming multiple subimages including an image forming lens, a color separating prism, subimage receptors for receiving subimages from the prism, and lenses compensating for spherical aberrations caused by the prism and controlling the size of the subimages reaching the subimage receptors. Other features include structure for dissipating heat from the subimage receptors and from circuit boards associated with the subimage receptors.

35 Claims, 11 Drawing Sheets

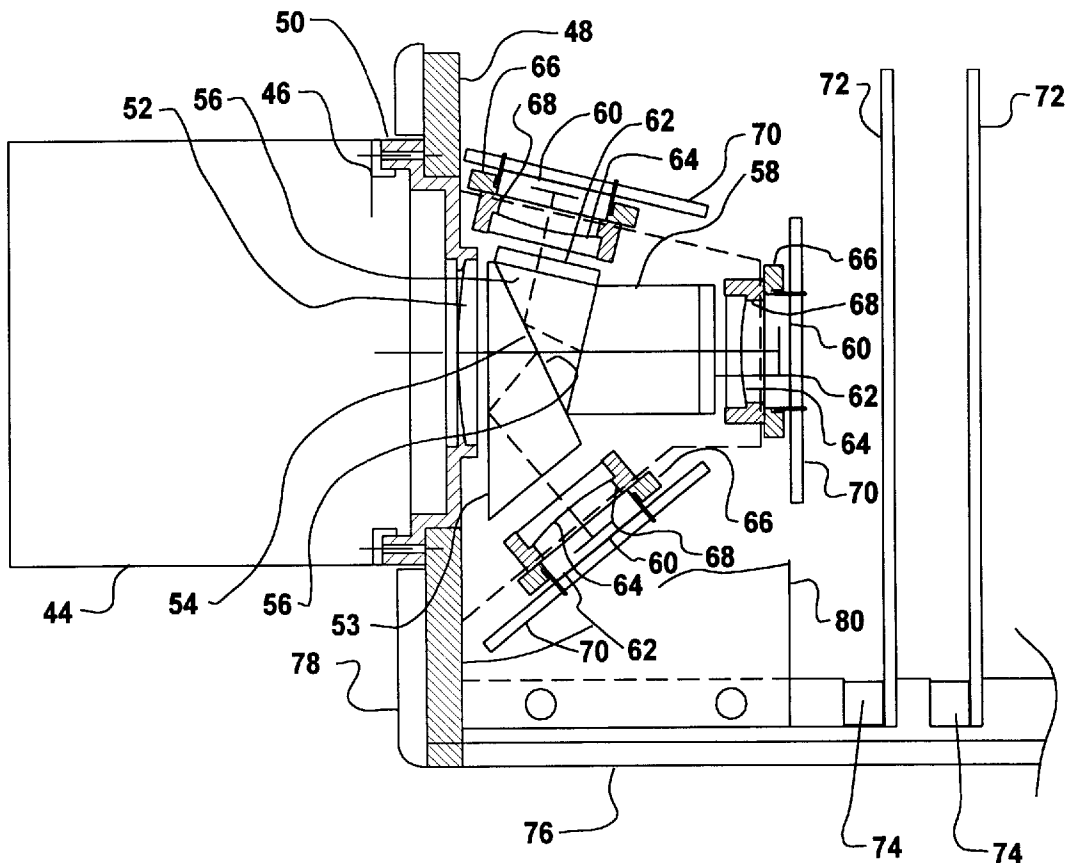


FIG. 1

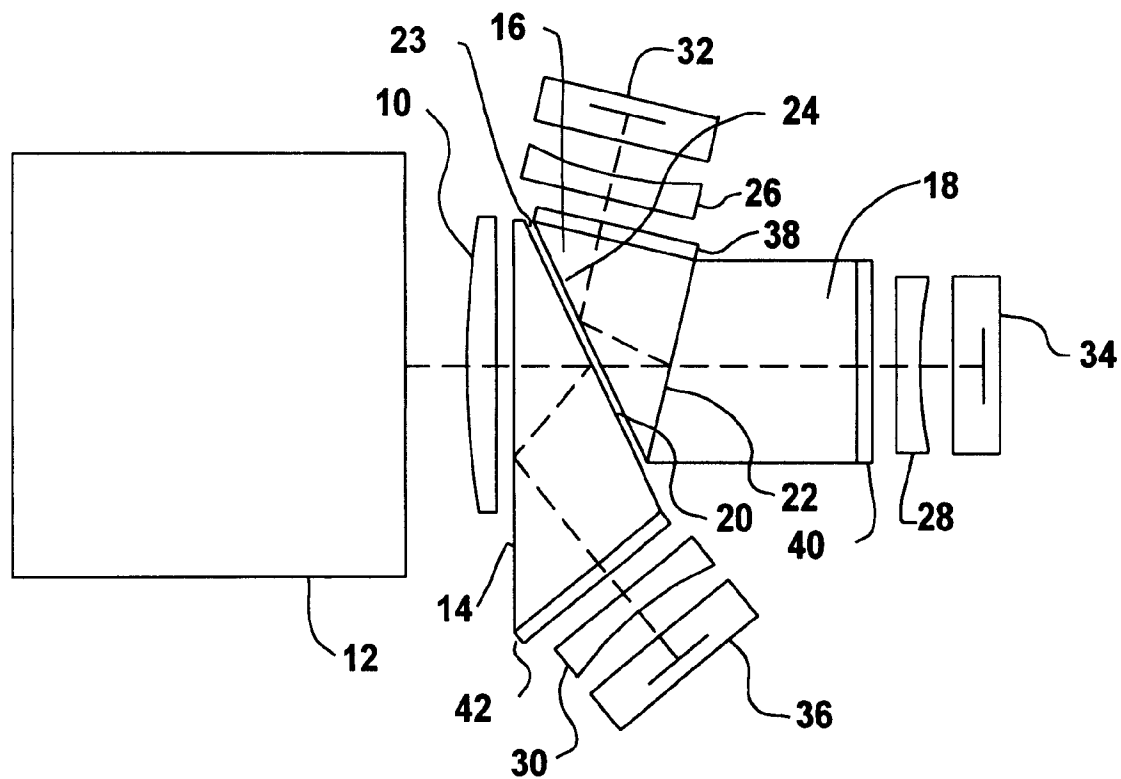


FIG. 2

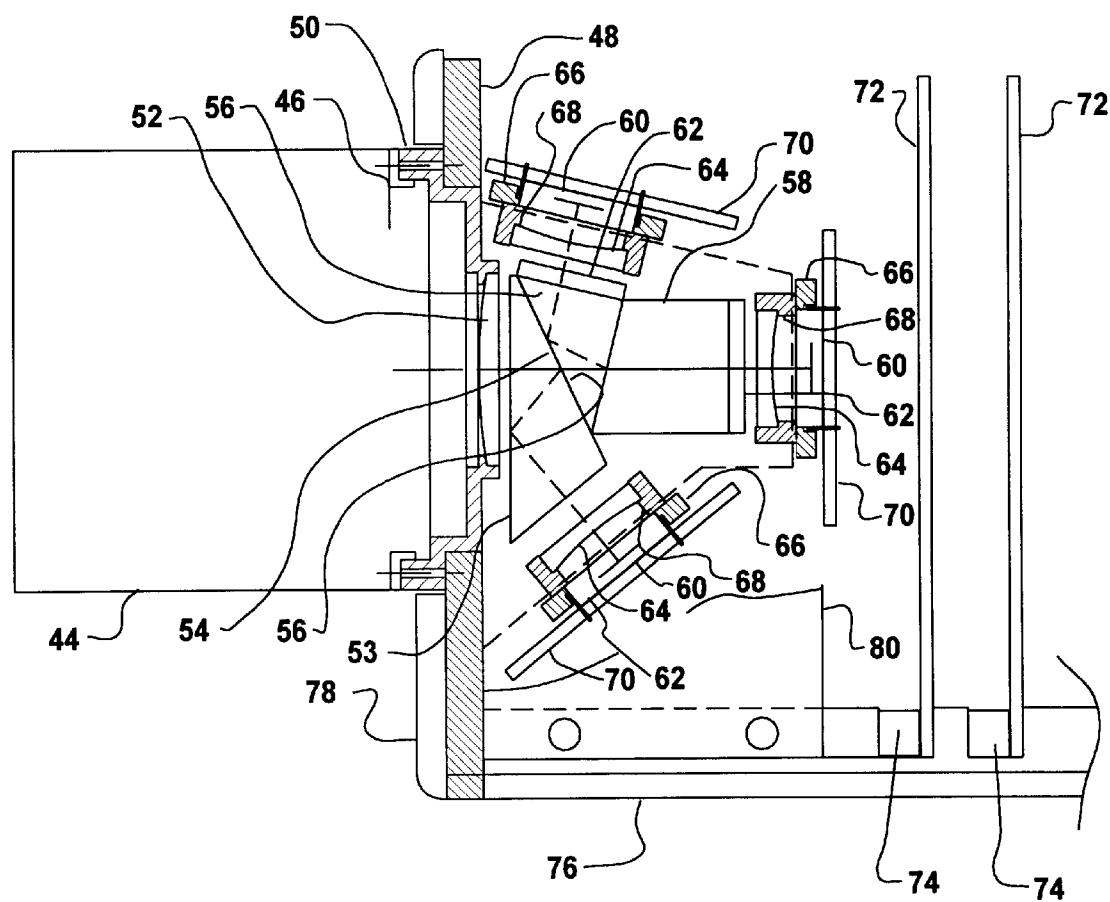


FIG. 3

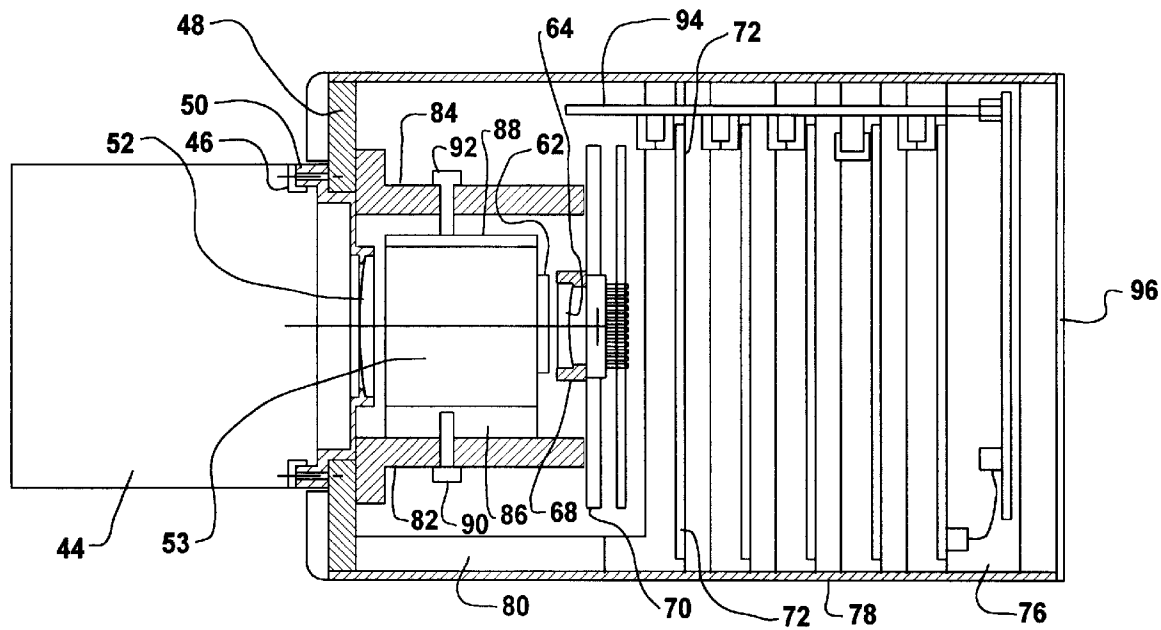
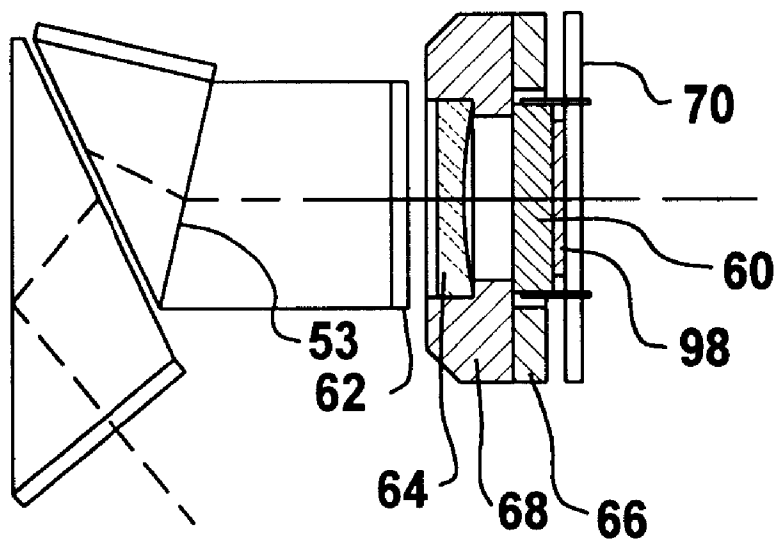
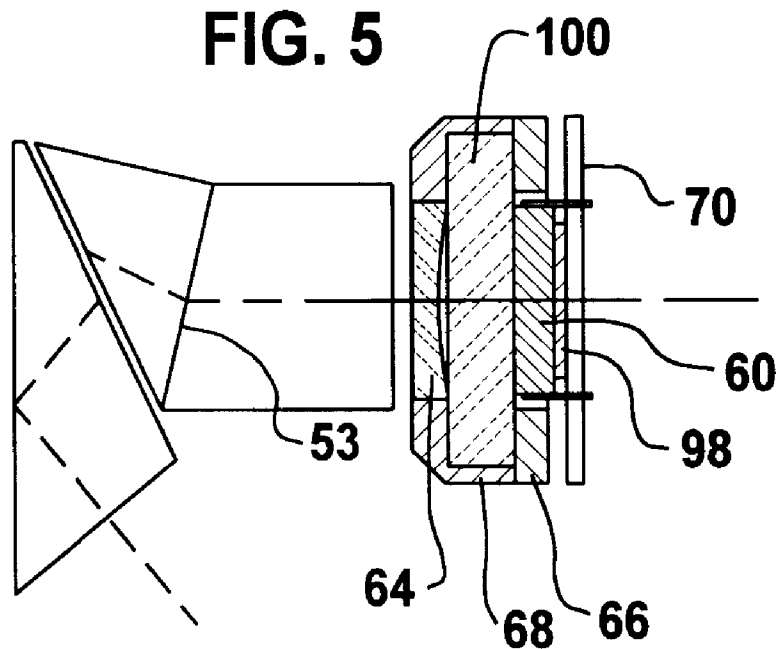


FIG. 4**FIG. 5**

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