

[54] COLOR IMAGE READING APPARATUS

[75] Inventor: Fumikazu Nagano, Yamatokoriyama, Japan

[73] Assignee: Sharp Kabushiki Kaisha, Osaka, Japan

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[51] Int. Cl.⁴ H04N 1/46

[52] U.S. Cl. 358/75; 358/80

[58] Field of Search 358/75, 80

[56] References Cited

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Primary Examiner—Randall L. Green

Attorney, Agent, or Firm—Birch, Stewart, Kolasch and Birch

[57] ABSTRACT

A color image reading device for reading an original by an optical scanning device which optically scans across said original line-by-line is disclosed. The color image reading device includes a green fluorescent lamp for generating a green light with an afterglow characteristics, a red fluorescent lamp for generating a red light with no afterglow characteristics, and a blue fluorescent lamp for generating a blue light with no afterglow characteristics. The green, red and blue fluorescent lamps are actuated in a predetermined time sequence. A CCD is provided for detecting an image under green during the afterglow, under red light and under blue light.

13 Claims, 27 Drawing Figures

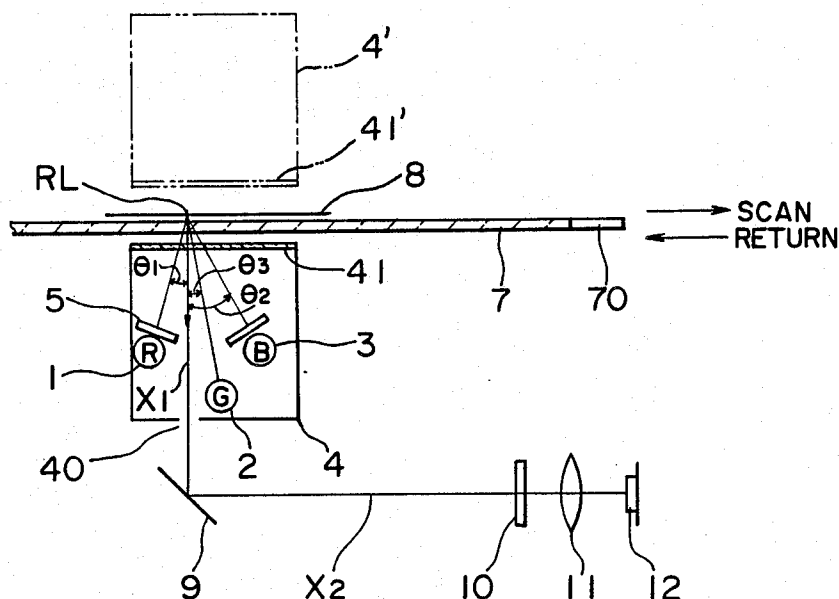


Fig. 1

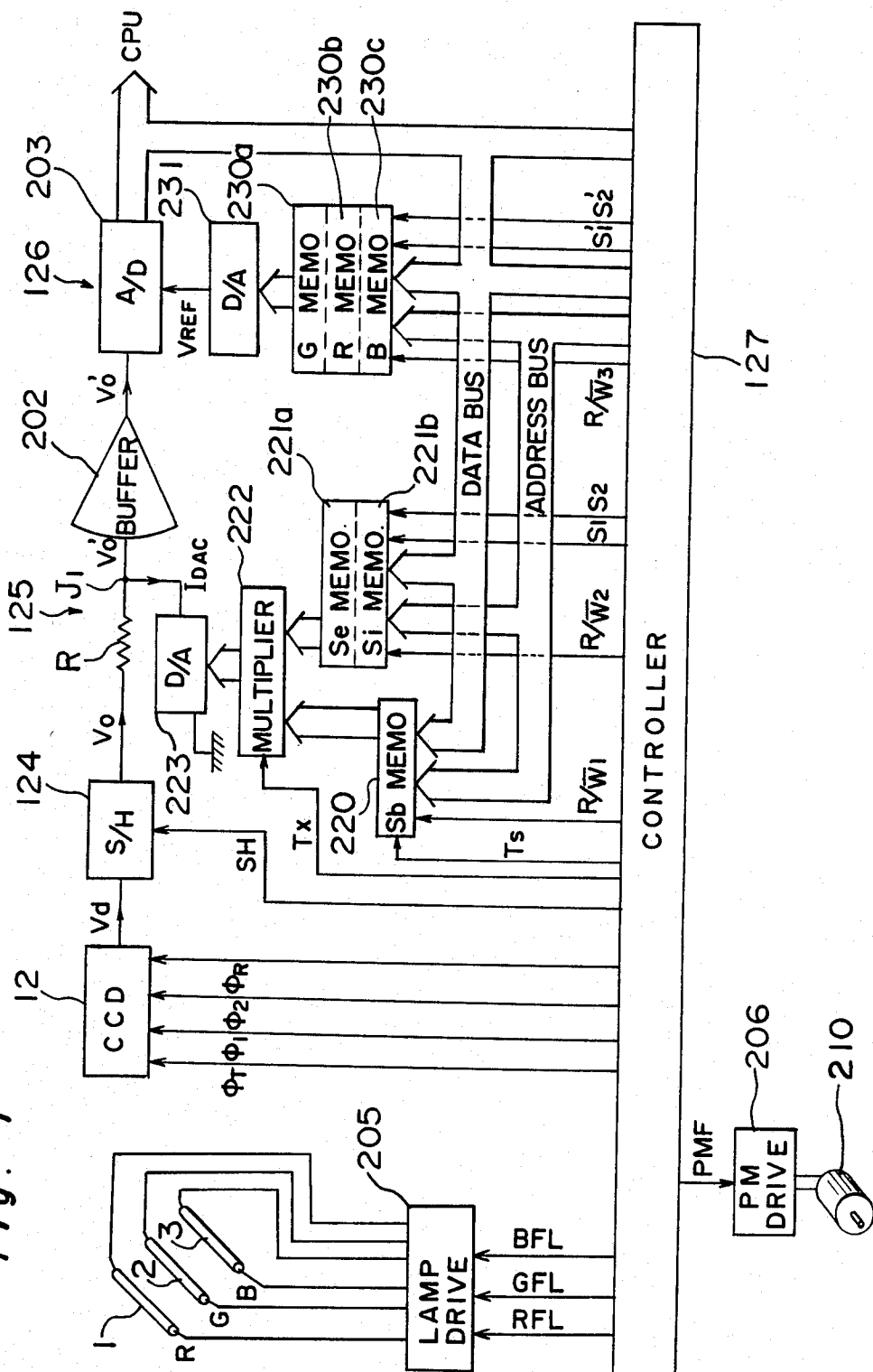


Fig. 2a

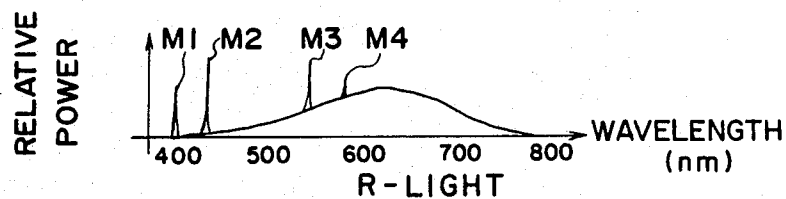


Fig. 2b

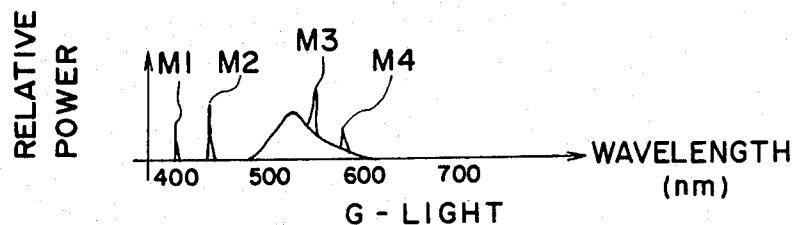


Fig. 2c

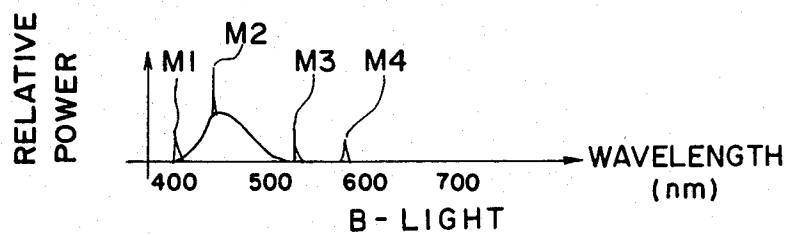


Fig. 3a

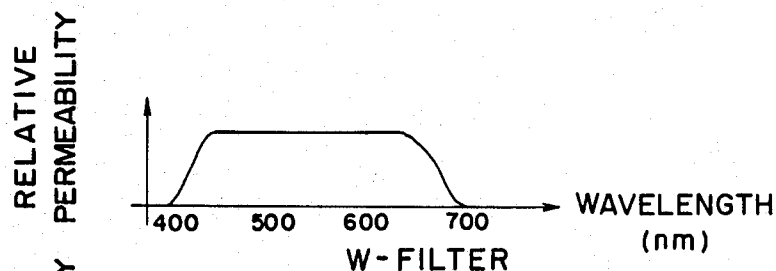


Fig. 3b

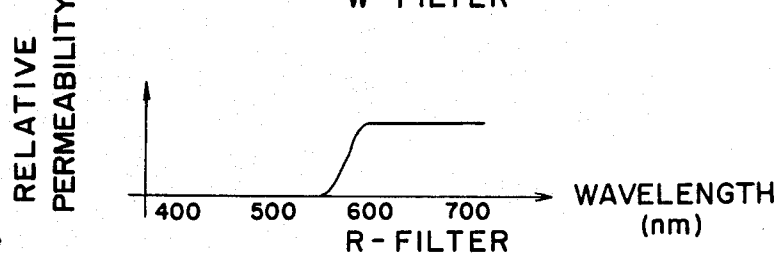


Fig. 3c

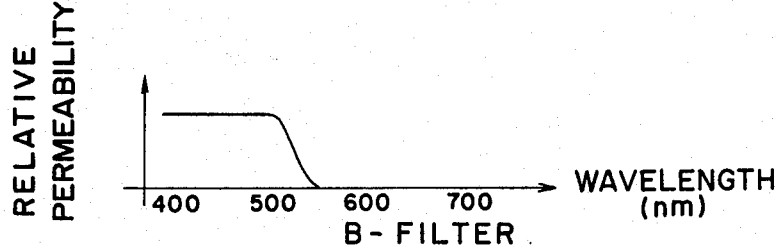


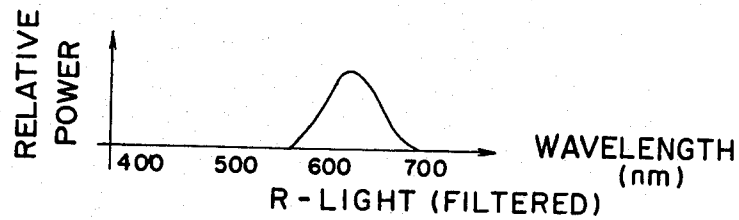
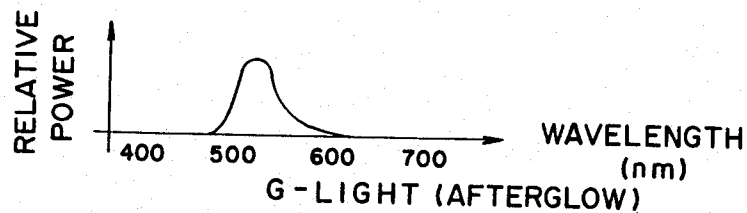
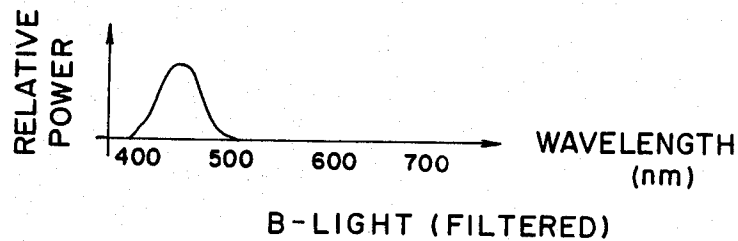
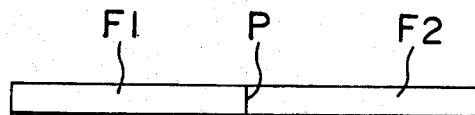
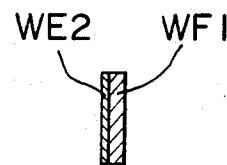
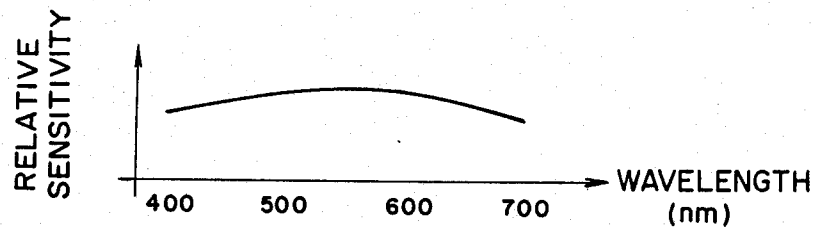
Fig. 4a**Fig. 4b****Fig. 4c****Fig. 5****Fig. 6****Fig. 7**

Fig. 8a

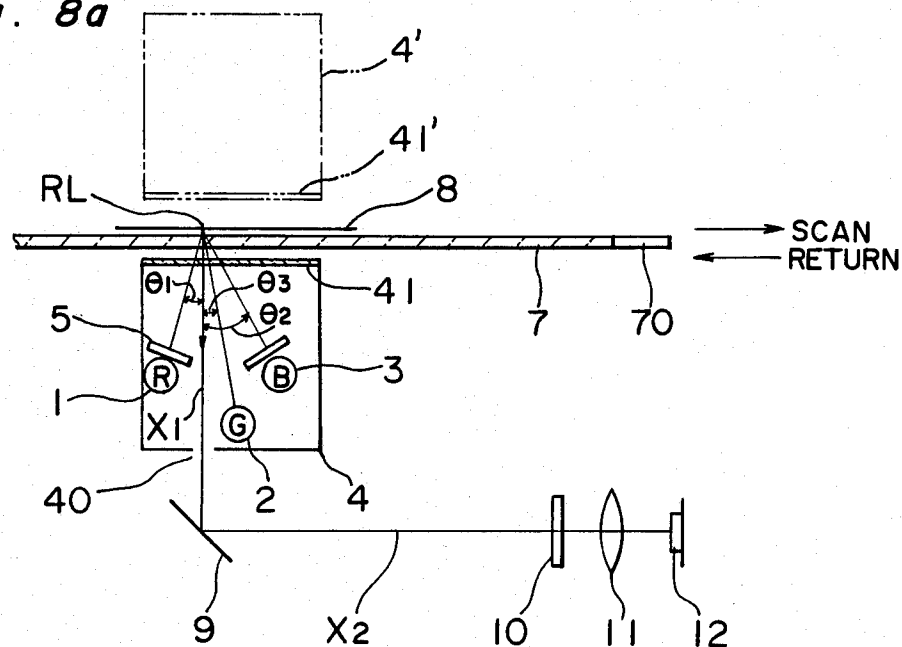
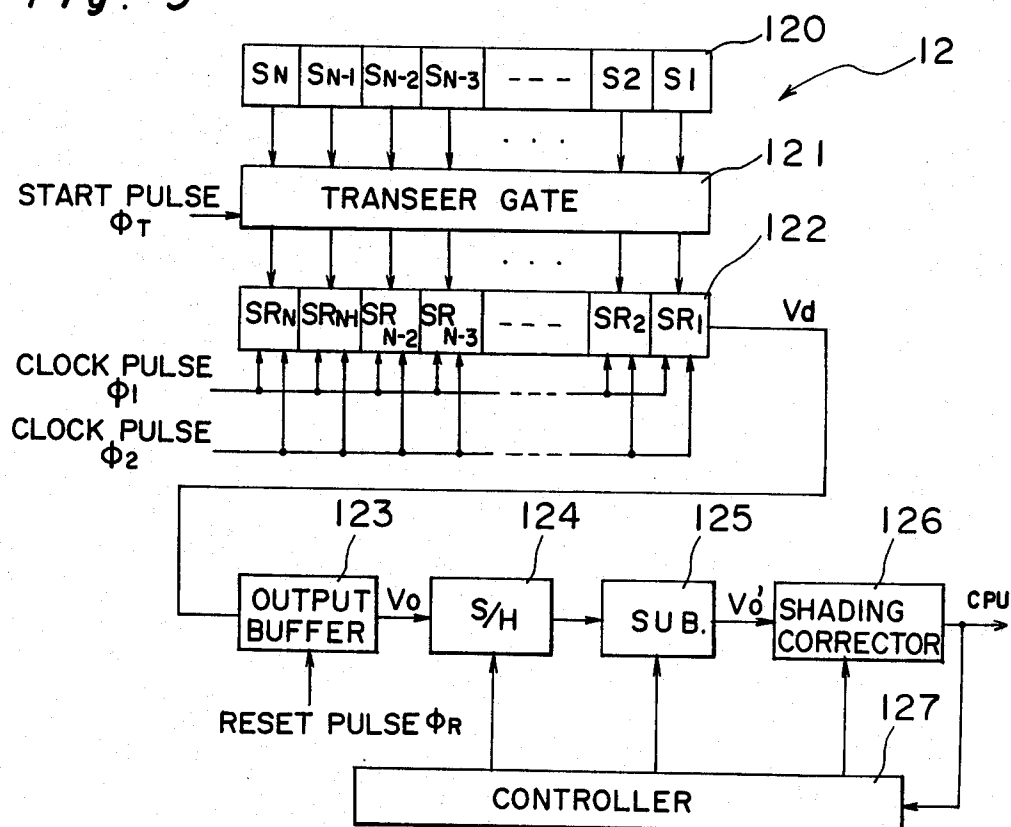


Fig. 9



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