

[54] COLOR IMAGE READING APPARATUS

[75] Inventor: Fumikazu Nagano, Yamatokoriyama, Japan

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

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Jun. 15, 1984 [JP]	Japan	59-124203
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[51] Int. Cl.<sup>4</sup> ..... 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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FOREIGN PATENT DOCUMENTS

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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

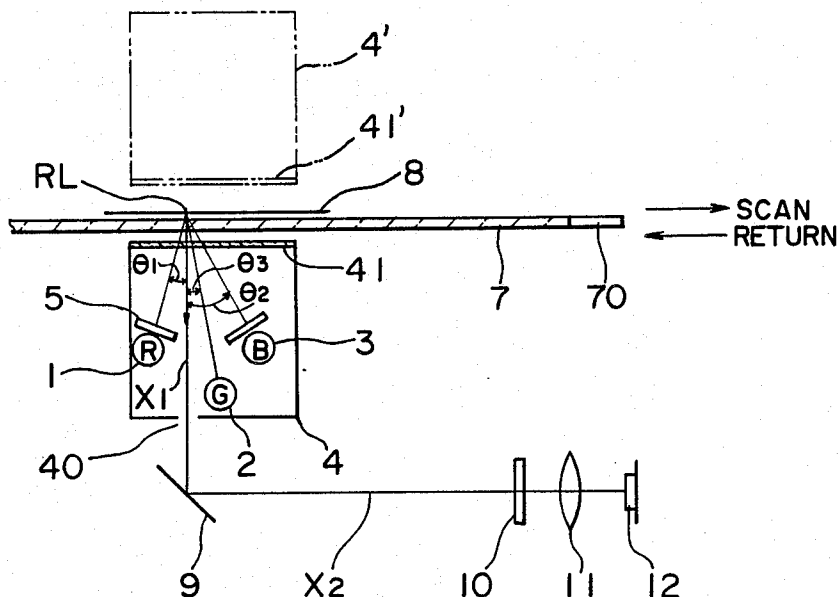
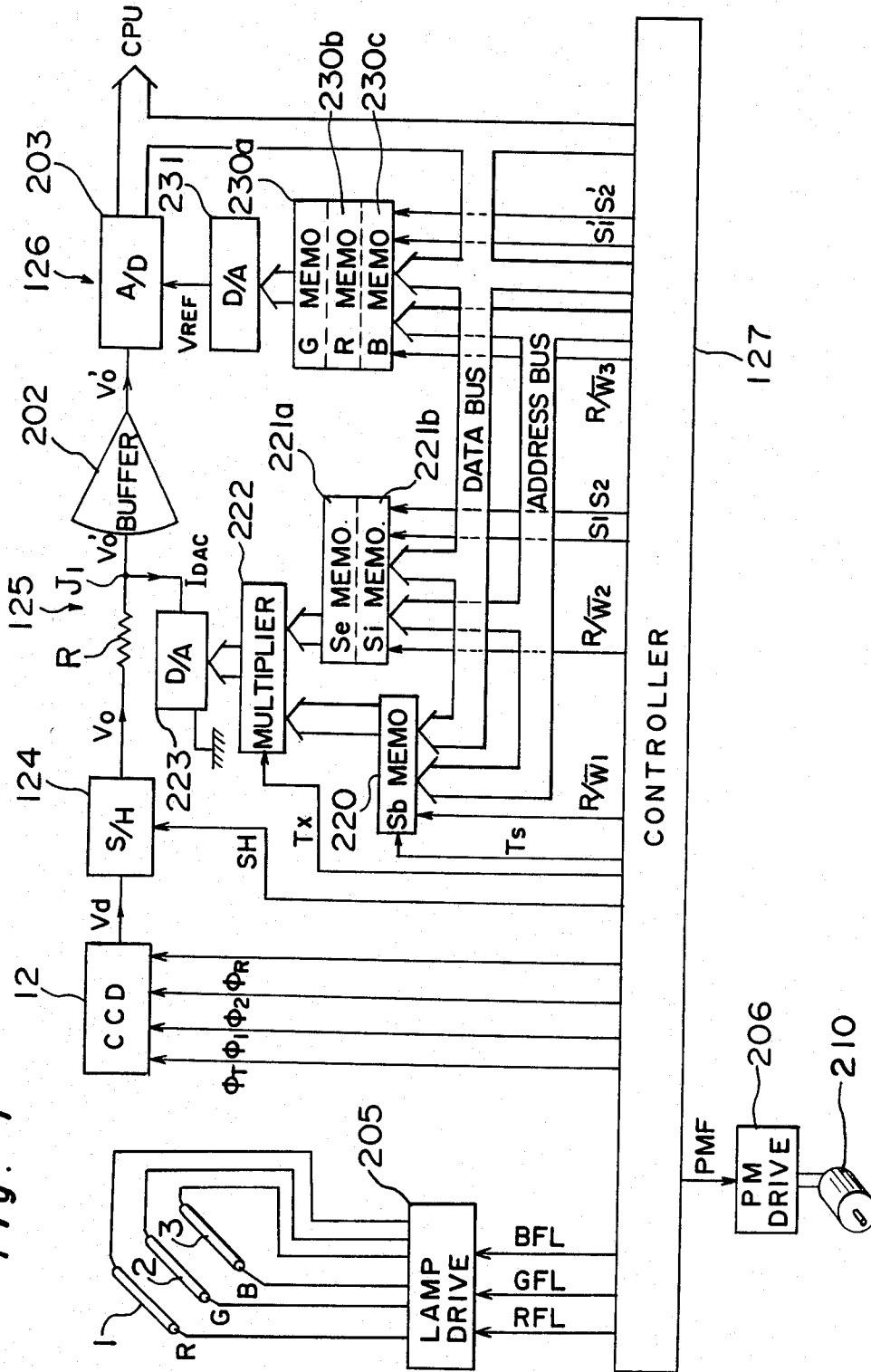


Fig. 1



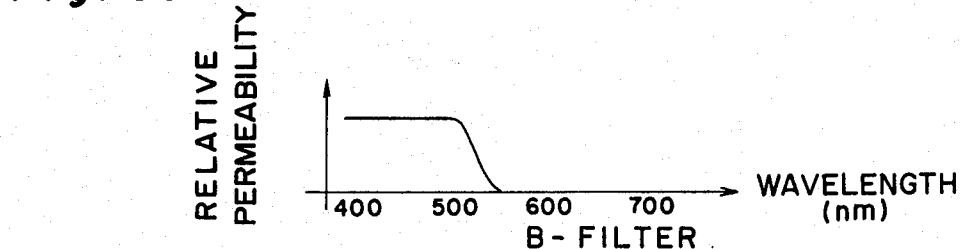
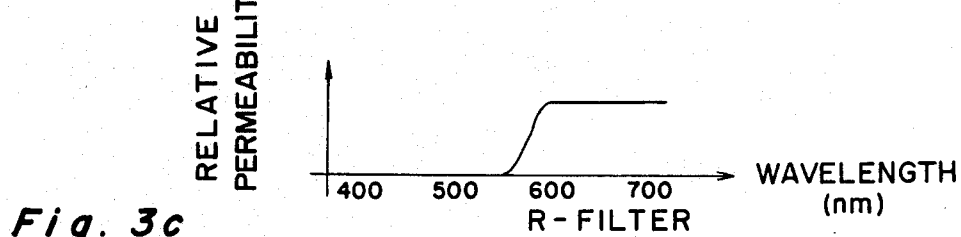
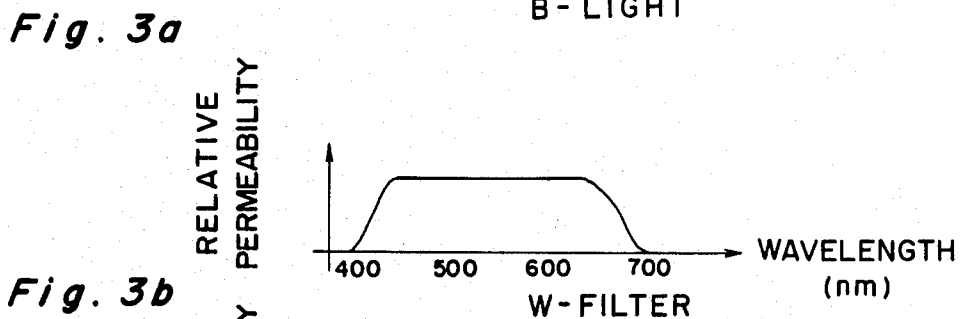
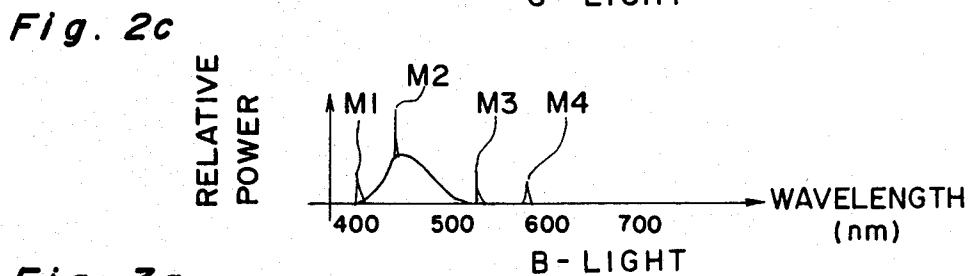
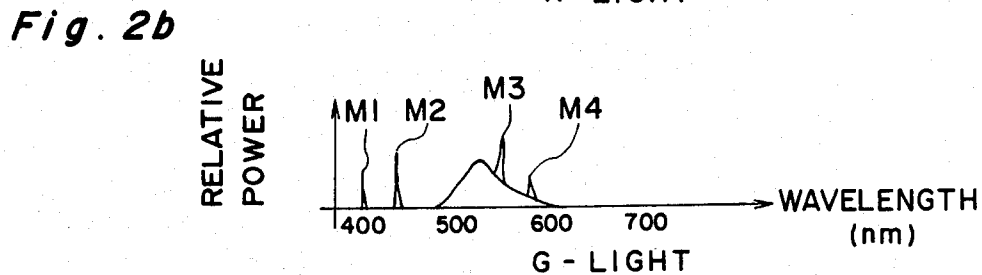
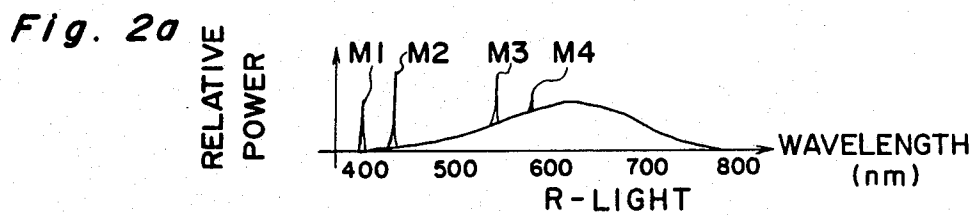


Fig. 4a

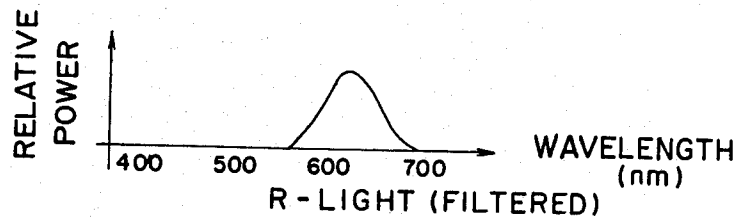


Fig. 4b

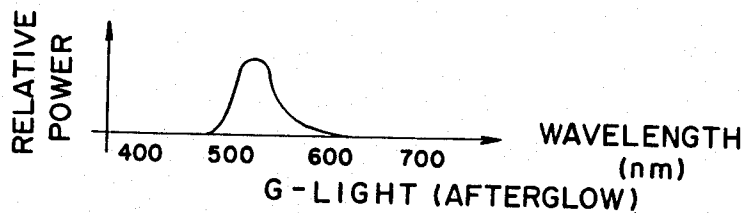


Fig. 4c

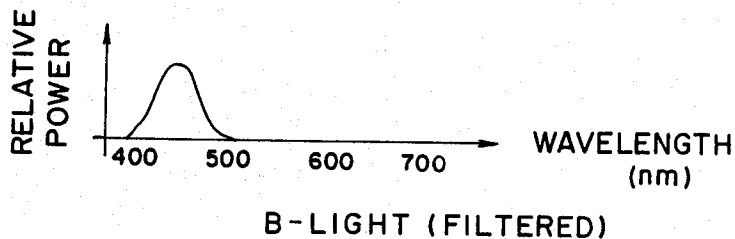


Fig. 5

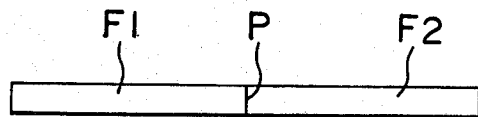


Fig. 6

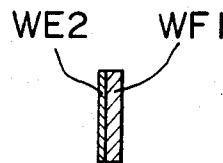


Fig. 7

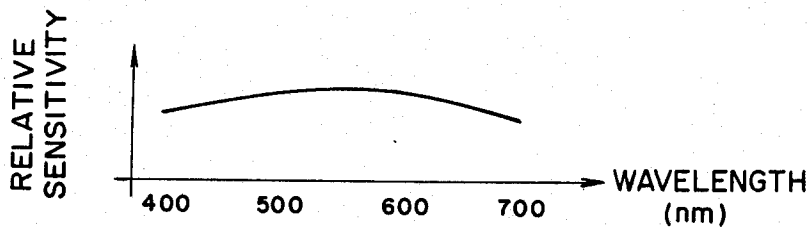


Fig. 8a

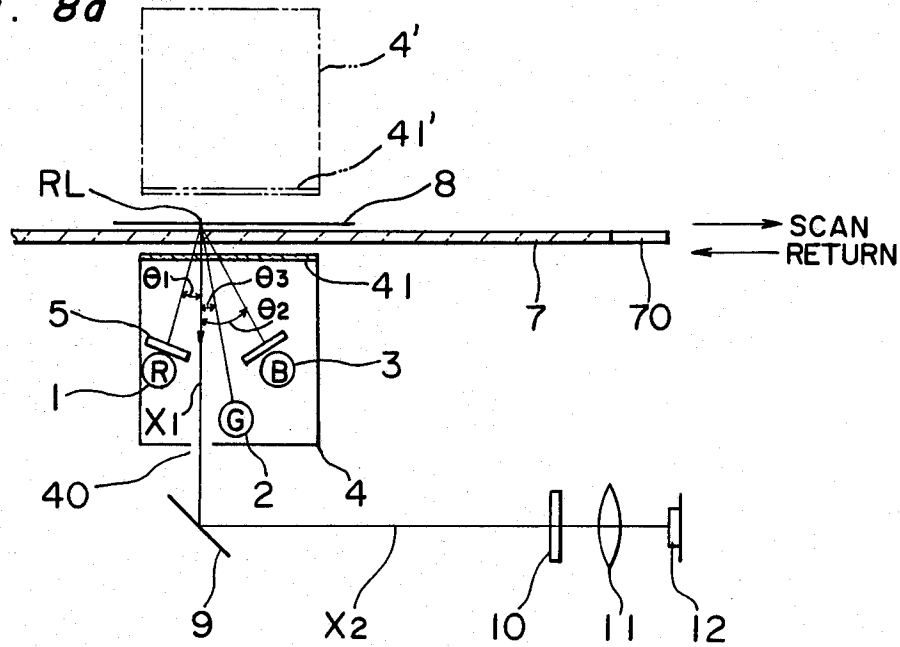
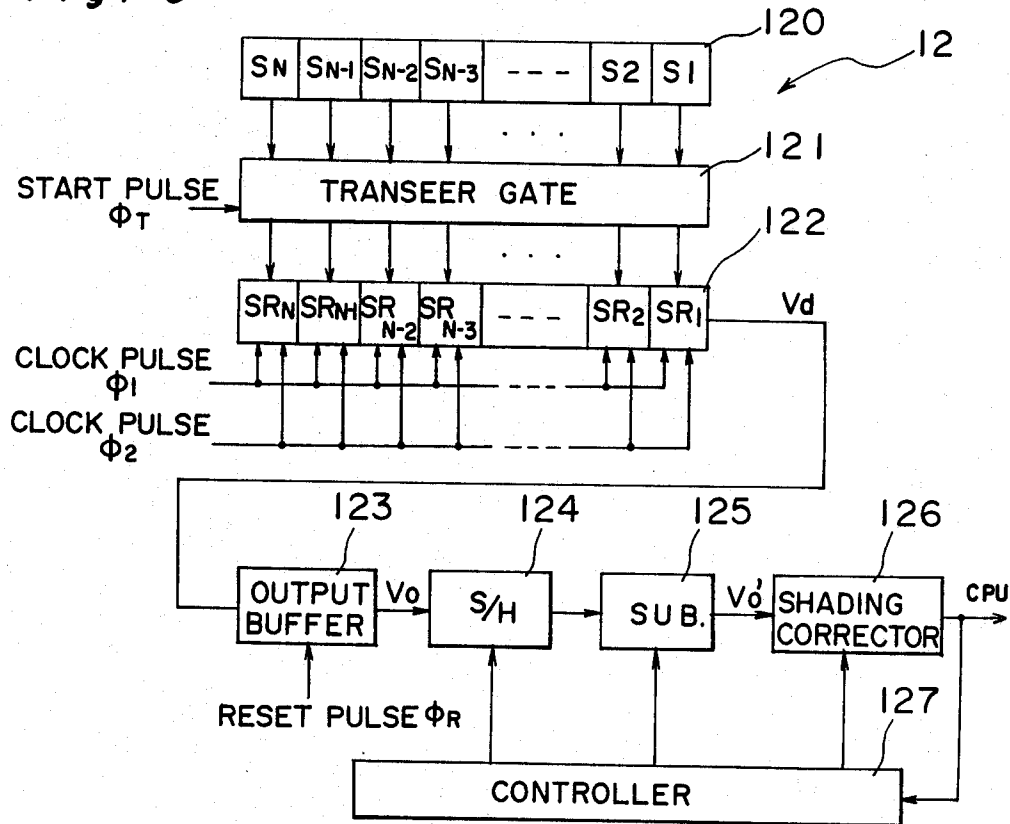


Fig. 9



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