

### [54] CAMERA CONTROLLER

[76] Inventor: **Raphael Haskell**, 12 Elmcroft Crescent, London NW11 9SY, England

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### Related U.S. Application Data

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[58] Field of Search ..... **354/23 D, 30, 60 R, 354/289; 364/525**

### [56]

### References Cited

#### U.S. PATENT DOCUMENTS

4,103,307 7/1978 Shinoda et al. .... 354/23 D

Primary Examiner—L. T. Hix

Assistant Examiner—Stafford D. Schreyer

Attorney, Agent, or Firm—Christie, Parker & Hale

### [57]

### ABSTRACT

In a camera, a camera controller which maintains the camera in a state of maximum readiness while facilitating operator adjustment of the camera setting by means of a single control so as to allow a choice between depth of focus and the ability of the camera to freeze movement, said controller comprising a bias adjustor which provides a signal indicative of the desired relationship between f-number and shutter speed, and a processor connected to receive the said signal and a signal representative of the exposure value which in response to said signals determines the optimum shutter speed and f-number for the given conditions and bias setting and provides signals for setting the f-number and shutter speed in the camera. In one embodiment the said determination is effected by calculation by means of a microprocessor subroutine and in a second embodiment it is effected in a microprocessor subroutine by reference to tables of values stored in an ROM.

30 Claims, 29 Drawing Figures

