



(19) **United States**

(12) **Patent Application Publication**  
**Crossland et al.**

(10) **Pub. No.: US 2001/0050787 A1**

(43) **Pub. Date: Dec. 13, 2001**

(54) **ELECTRO-OPTICAL COMPONENT HAVING  
A RECONFIGURABLE PHASE STATE**

(75) Inventors: **William Alden Crossland**, Essex (GB);  
**Timothy David Wilkinson**, Cambridge  
(GB); **Kamran Eshraghian**, Mindarie  
(AU)

Correspondence Address:  
**Charles N.J. Ruggiero, Esq.**  
**Ohlandt, Greeley, Ruggiero & Perle, L.L.P.**  
**One Landmark Square, 10th Floor**  
**Stamford, CT 06901-2682 (US)**

(73) Assignee: **Intelligent Pixels, Inc.**

(21) Appl. No.: **09/860,289**

(22) Filed: **May 18, 2001**

**Related U.S. Application Data**

(63) Non-provisional of provisional application No.  
60/206,074, filed on May 22, 2000.

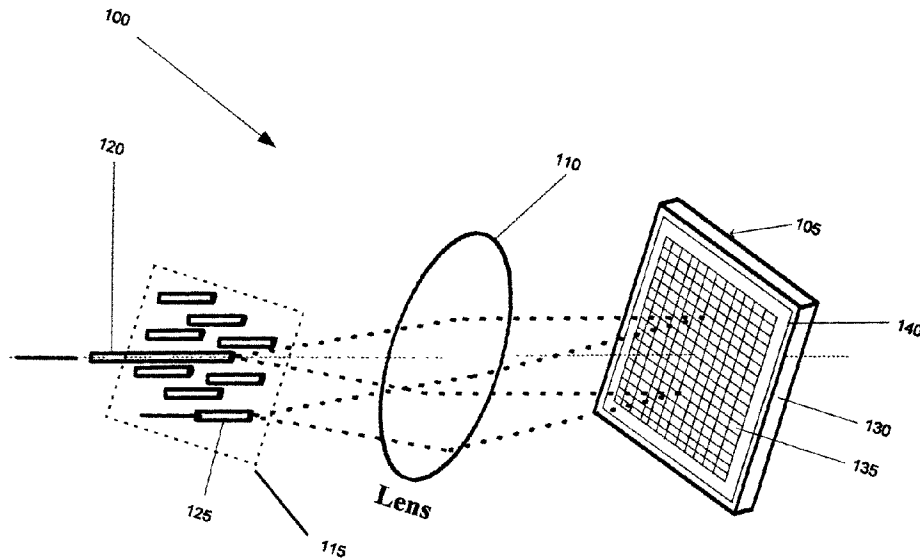
**Publication Classification**

(51) **Int. Cl.<sup>7</sup>** ..... **G03H 1/02**; G03H 1/08;  
G02B 5/32; H04J 14/02

(52) **U.S. Cl.** ..... **359/15**; 359/3; 359/9; 359/128

(57) **ABSTRACT**

There is provided an electro-optical component comprising (a) a substrate, (b) a phase-variable element carried on the substrate, (c) a memory carried on the substrate for storing data representative of a phase state for the phase-variable element; and (d) a controller carried on the substrate, for utilizing the data and setting the phase state for the element. There is also provided an electro-optical component comprising (a) a substrate, (b) a phase-variable element carried on the substrate, and (c) a circuit carried on the substrate for computing and applying a phase state for the phase-variable element.



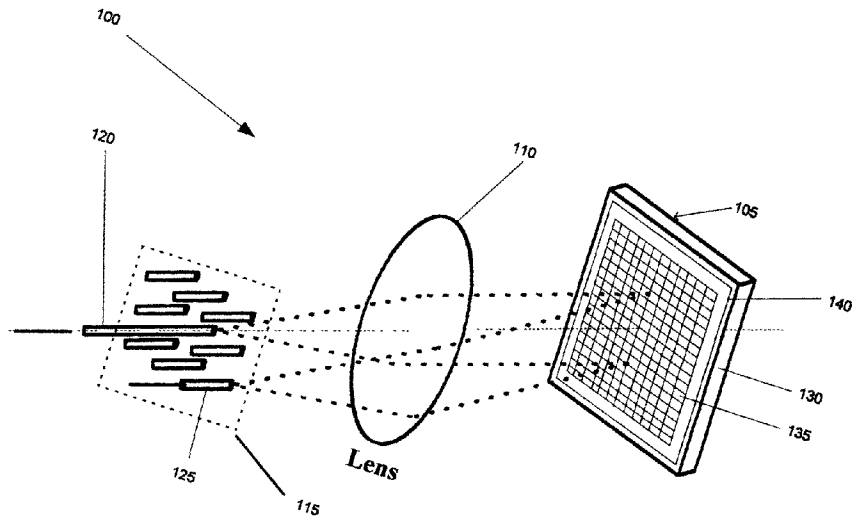


FIG. 1

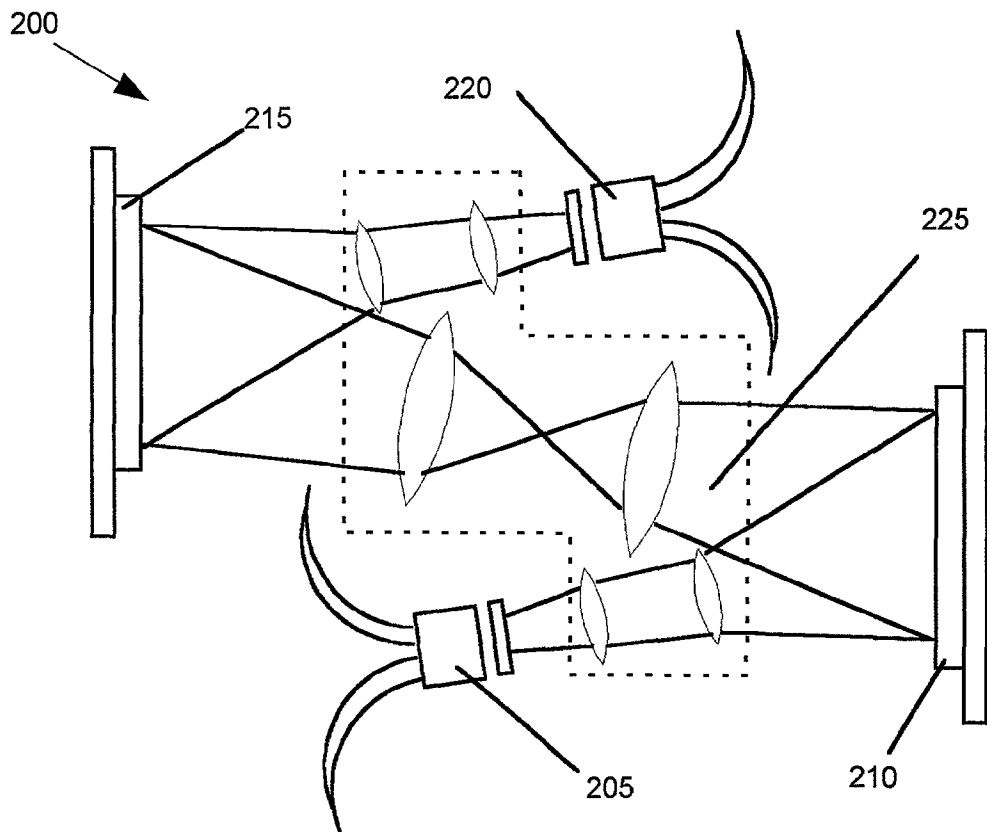


FIG. 2A

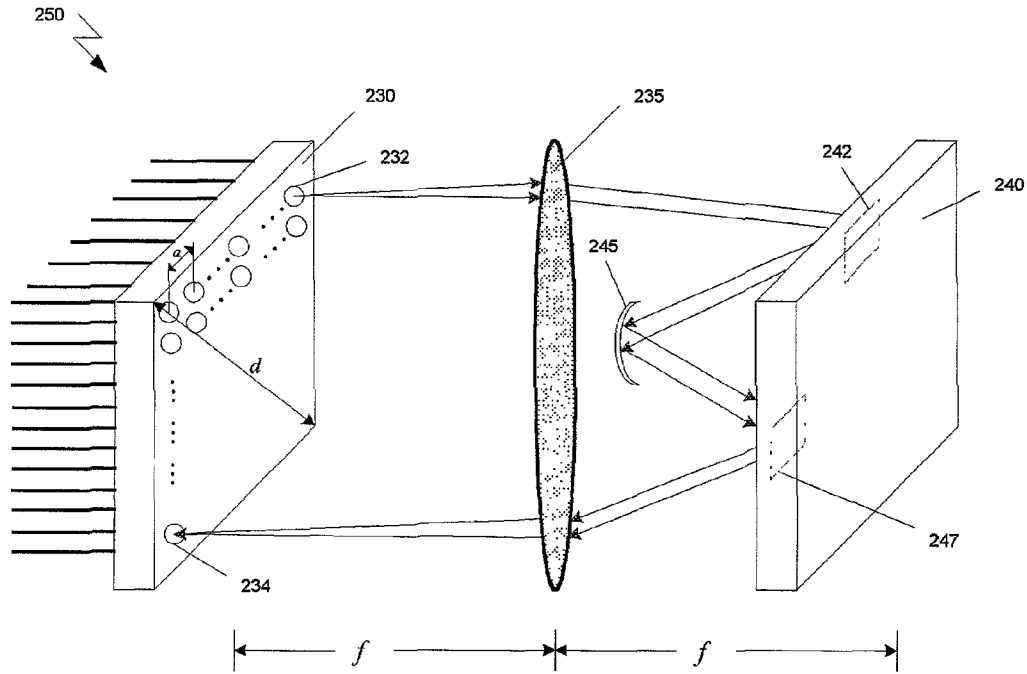


FIG. 2B

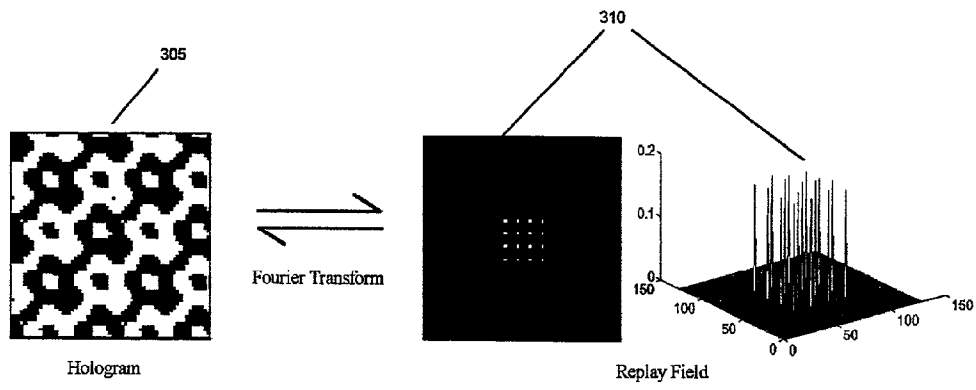


FIG. 3

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