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(12) **United States Patent**  
**Chou**

(10) **Patent No.:** **US 7,612,843 B2**  
(45) **Date of Patent:** **Nov. 3, 2009**

(54) **STRUCTURE AND DRIVE SCHEME FOR LIGHT EMITTING DEVICE MATRIX AS DISPLAY LIGHT SOURCE**

(52) **U.S. Cl.** ..... 349/61; 345/205  
(58) **Field of Classification Search** ..... 349/61; 345/205

See application file for complete search history.

(76) **Inventor:** **Chen-Jean Chou**, 21 Ridgefield Rd., New City, NY (US) 10956

(56) **References Cited**

(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 264 days.

U.S. PATENT DOCUMENTS

7,187,391 B2\* 3/2007 Itoh et al. .... 345/629  
7,202,613 B2\* 4/2007 Morgan et al. .... 315/312  
2007/0296886 A1\* 12/2007 Inada et al. .... 349/61

(21) **Appl. No.:** **11/754,268**

\* cited by examiner

(22) **Filed:** **May 25, 2007**

*Primary Examiner*—Mike Qi

(65) **Prior Publication Data**

US 2008/0170054 A1 Jul. 17, 2008

(57) **ABSTRACT**

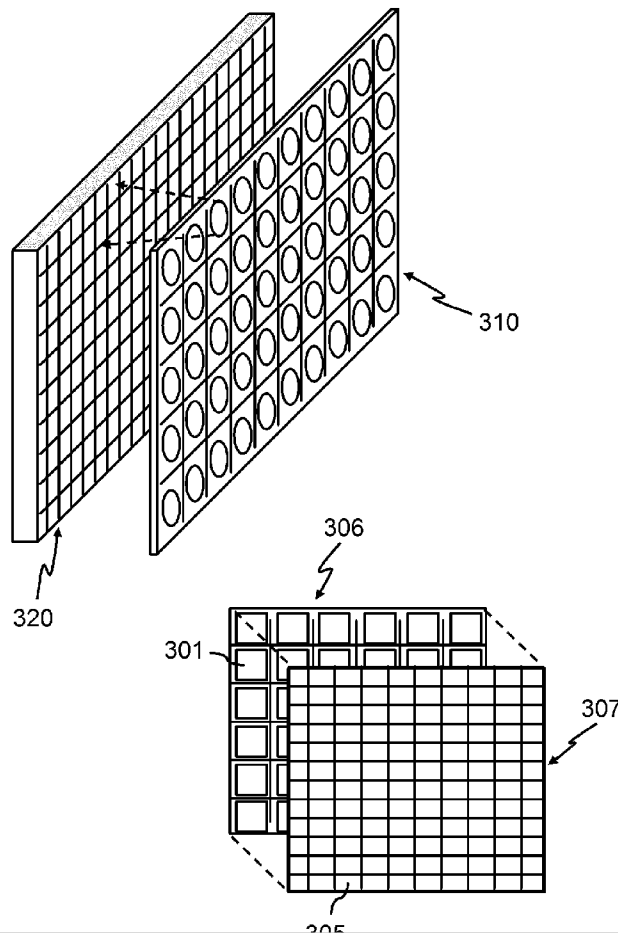
**Related U.S. Application Data**

(60) Provisional application No. 60/767,534, filed on May 25, 2006.

A system and driving method are provided to accurately reproduce an input image using calibrated intensity profile. Extended dynamic range can be obtained according to the computation method. Improved structures for solid-state backlighting system suitable for such application are provided.

(51) **Int. Cl.**  
**G02F 1/1335** (2006.01)  
**G06F 3/038** (2006.01)

**51 Claims, 13 Drawing Sheets**



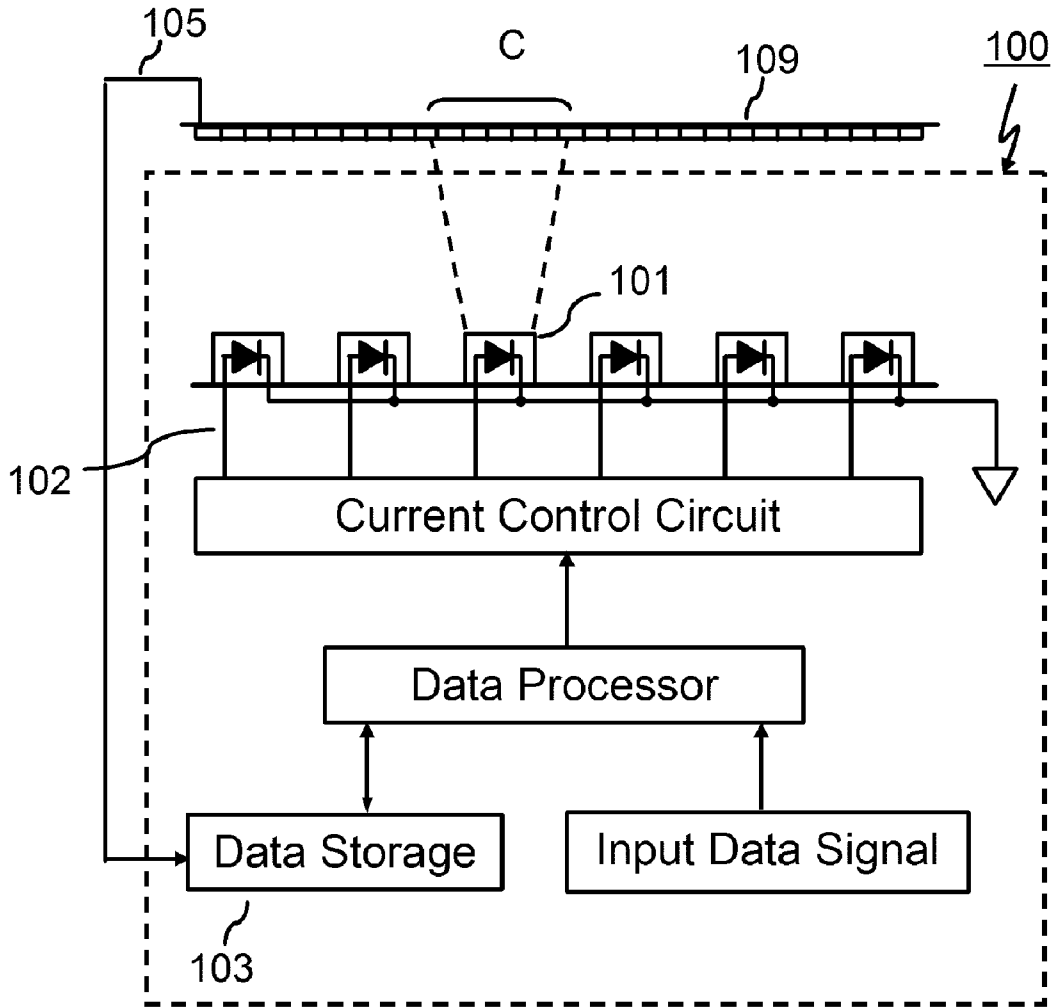


Figure 1

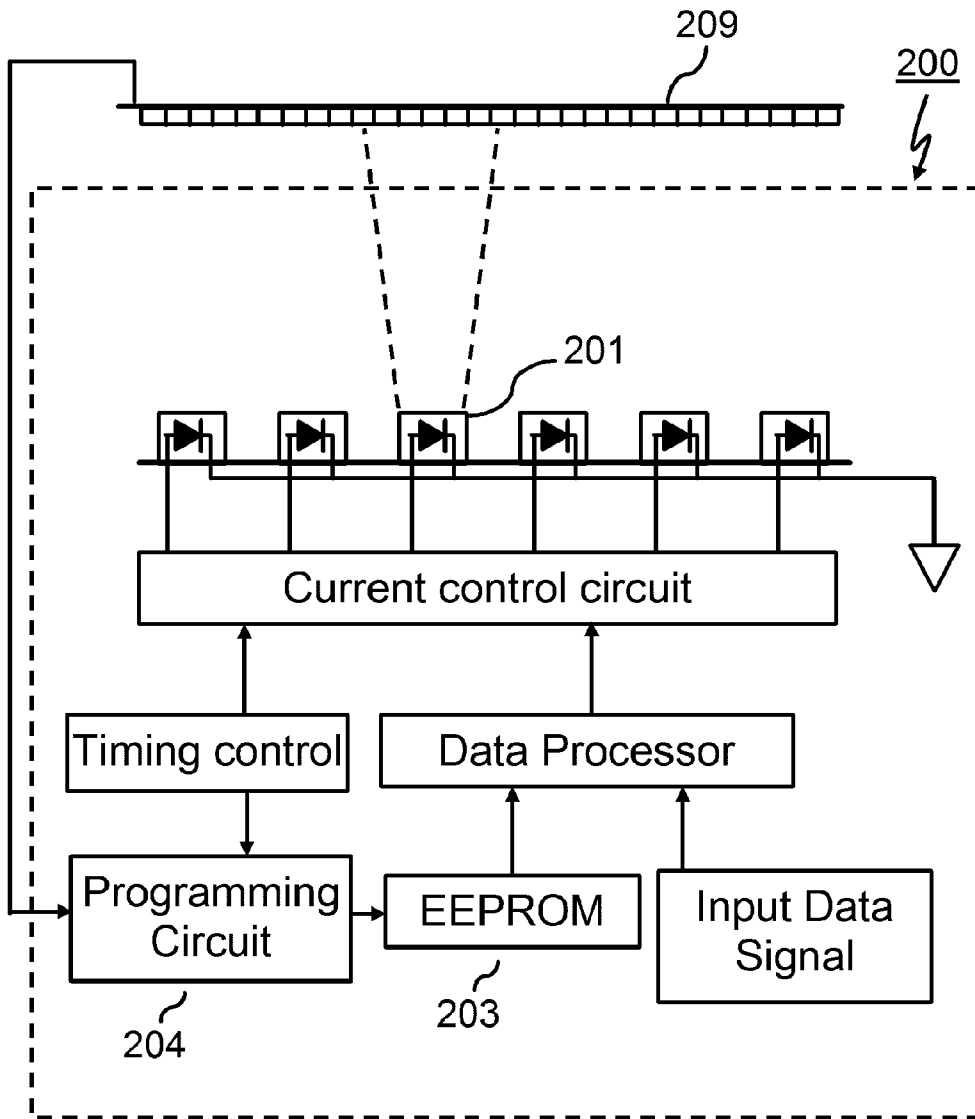


Figure 2

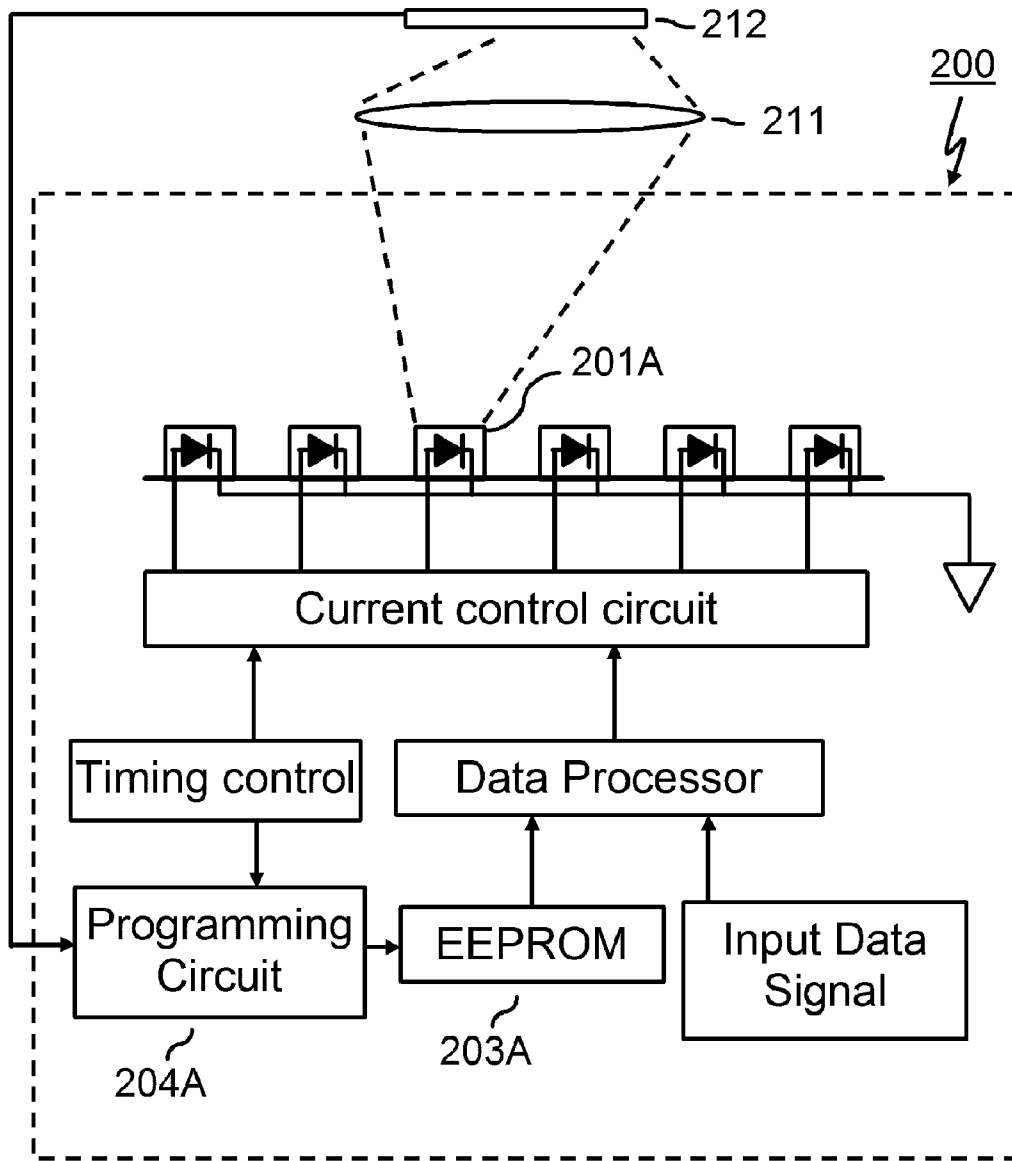


Figure 2A

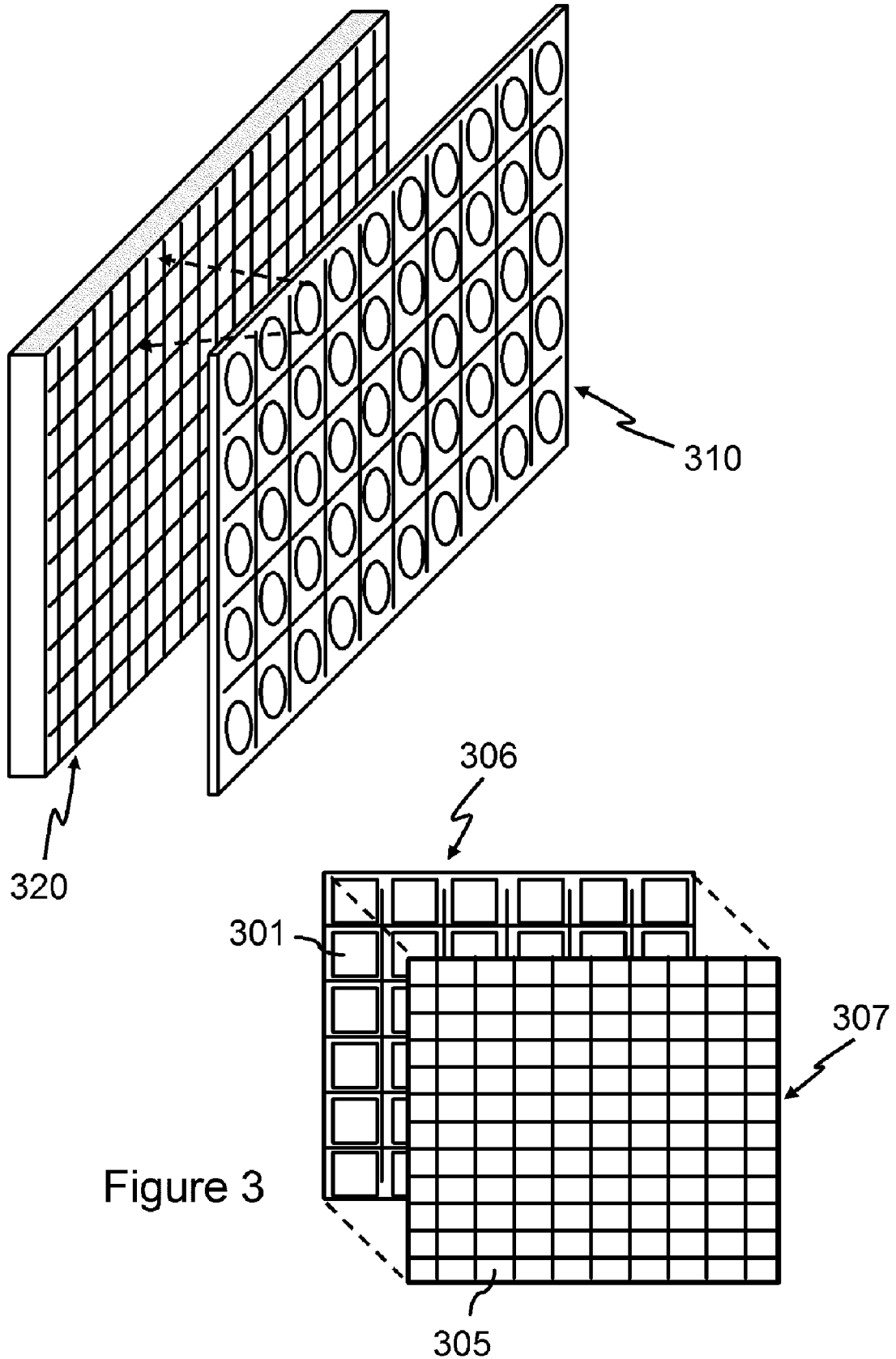


Figure 3

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