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(54) **METHODS, APPARATUS, AND DEVICES FOR NOISE REDUCTION**

(75) Inventors: **Tom Kimpe**, Ghent (BE); **Paul Matthijs**, Eke (BE)

(73) Assignee: **Barco N.V.**, Kortrijk (BE)

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**G06K 9/00** (2006.01)  
**G09G 5/10** (2006.01)

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See application file for complete search history.

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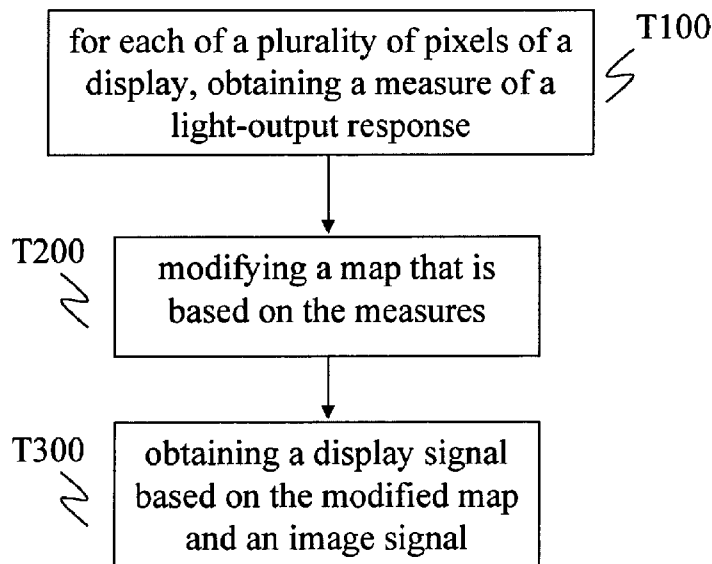
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*Primary Examiner* — Abolfazl Tabatabai  
(74) *Attorney, Agent, or Firm* — Hartman Patents PLLC

(57) **ABSTRACT**

Embodiments include applying a compensation to an image signal based on nonuniformity of a display device. The compensation is based on information about variations in light-output response among elements of the display device. The compensation is also modified based on a characteristic of a desired use of the display.

**115 Claims, 16 Drawing Sheets**



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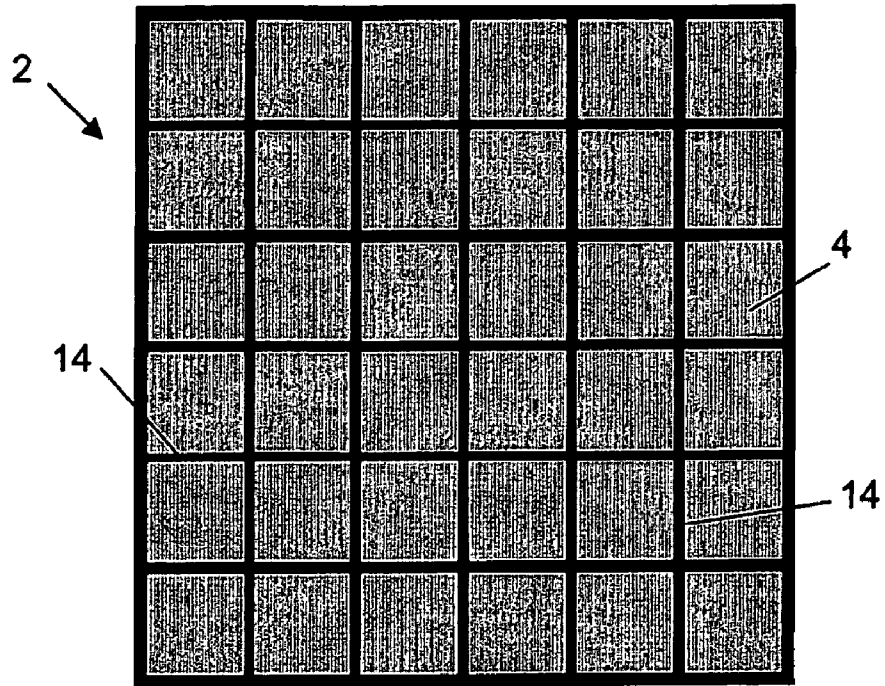


Fig. 1

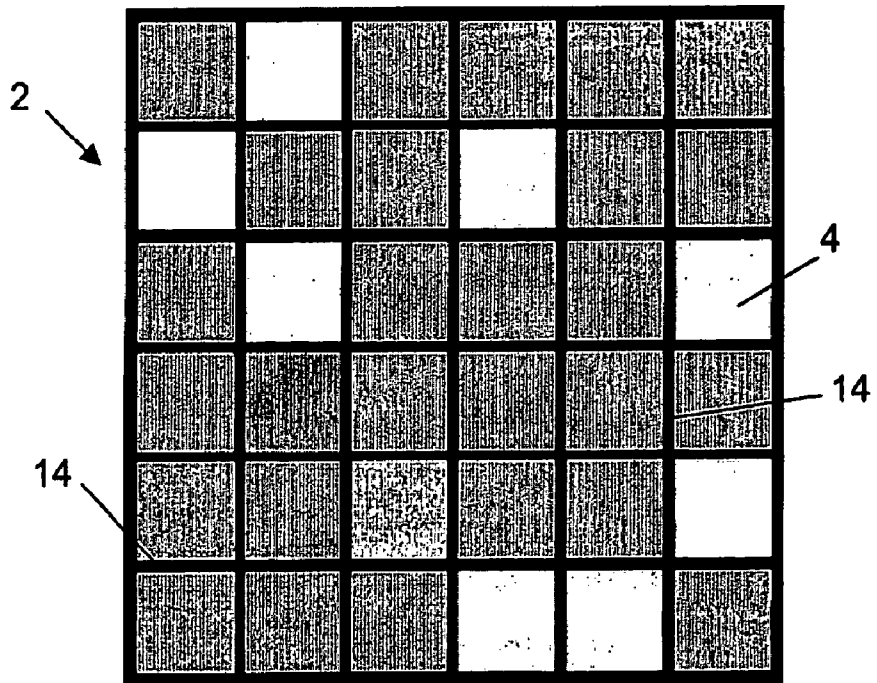


Fig. 2

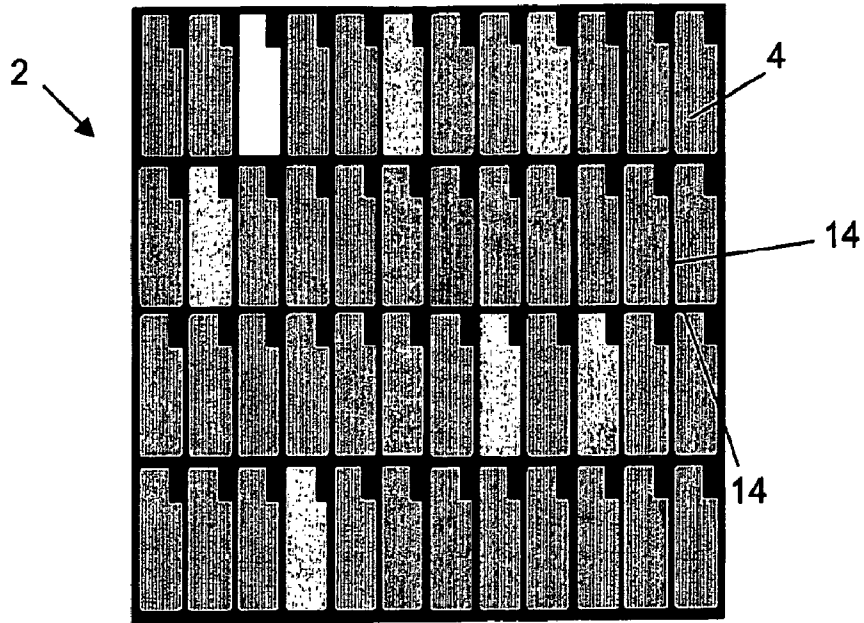


Fig. 3

Drive signals (row and column signals, power)

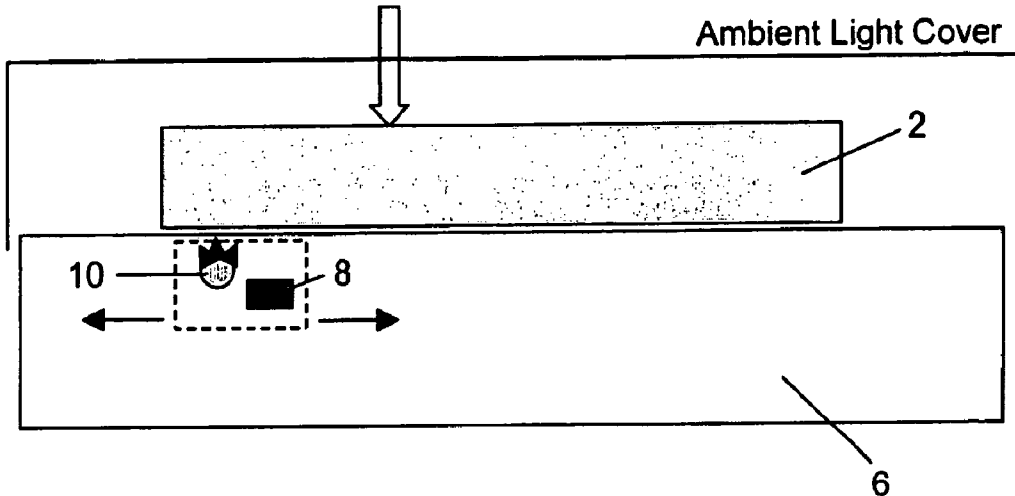


Fig. 4

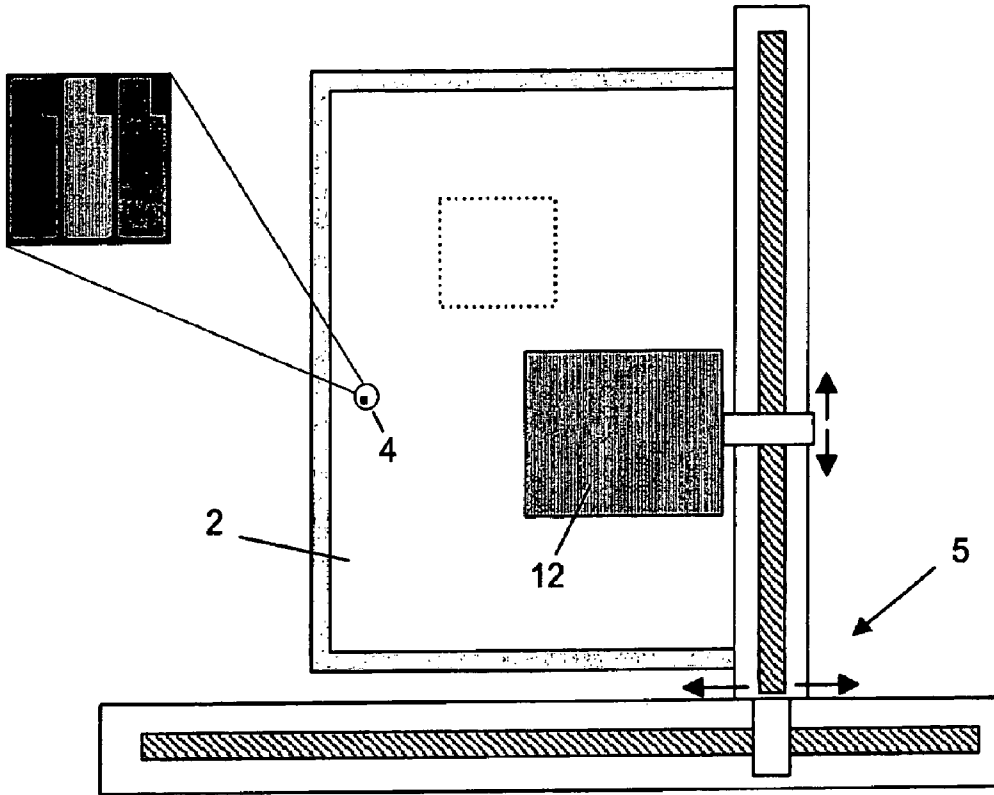


Fig. 5

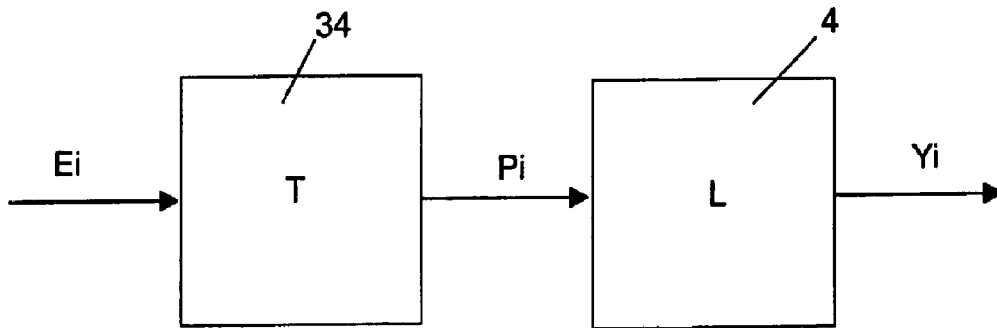


Fig. 8

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