



US009411182B2

(12) **United States Patent**
Wakabayashi et al.

(10) **Patent No.:** **US 9,411,182 B2**
(45) **Date of Patent:** ***Aug. 9, 2016**

(54) **SIGNAL PROCESSING DEVICE, SIGNAL PROCESSING METHOD, LIQUID CRYSTAL DEVICE, AND ELECTRONIC APPARATUS**

G09G 5/10; G09G 3/3648; G09G 2320/0209; G09G 2320/0285; G06K 9/40; G02F 1/13306
See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 367 days.

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This patent is subject to a terminal disclaimer.

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(21) Appl. No.: **13/917,428**

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(22) Filed: **Jun. 13, 2013**

(65) **Prior Publication Data**

US 2013/0335650 A1 Dec. 19, 2013

(57) **ABSTRACT**

(30) **Foreign Application Priority Data**

Jun. 18, 2012 (JP) 2012-136615

A signal processing device, on the basis of signals that control voltages to be applied to pixels, a boundary between a first pixel corresponding to a first signal that applies a first voltage and a second pixel adjacent to the first pixel and corresponding to a second signal that applies a second voltage different from the first voltage at least by a predetermined threshold. The first signal is corrected to a third signal that applies a third voltage higher than the first voltage, and the second signal is corrected to a fourth signal that applies a fourth voltage higher than the second voltage. The second voltage is higher than the first voltage, the fourth voltage is higher than the third voltage, and a potential difference between the first voltage and the third voltage is larger than a potential difference between the second voltage and the fourth voltage.

(51) **Int. Cl.**
G02F 1/133 (2006.01)
G09G 3/36 (2006.01)

(52) **U.S. Cl.**
CPC **G02F 1/13306** (2013.01); **G09G 3/3648** (2013.01); **G09G 2320/0209** (2013.01); **G09G 2320/0285** (2013.01)

(58) **Field of Classification Search**
CPC G09G 3/36; G09G 5/00; G09G 5/02;

12 Claims, 11 Drawing Sheets

