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(54) **ELECTRO-OPTICAL DEVICE**
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(57) **ABSTRACT**

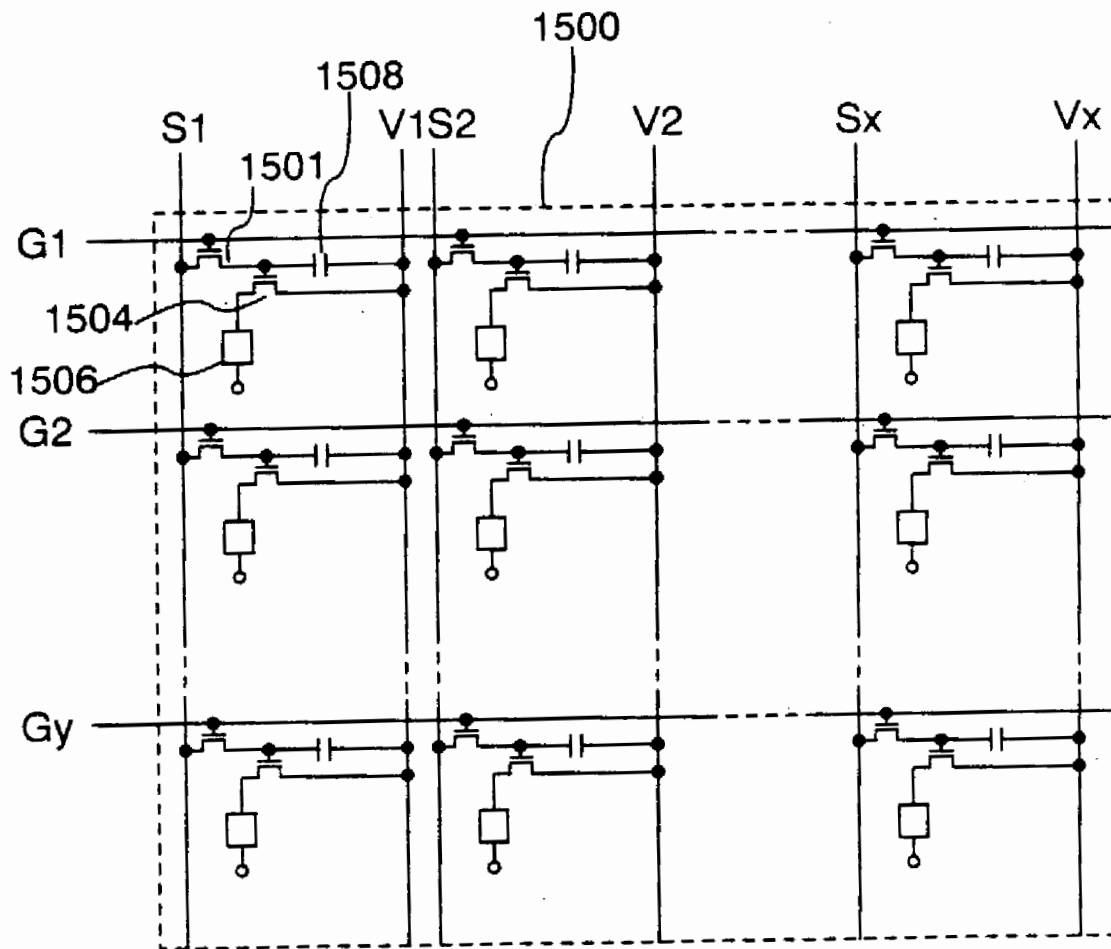
An electro-optical device for performing time division gray scale display and which is capable of arbitrarily setting the amount of time during which light is emitted by EL elements is provided. From among n sustain periods Ts1, . . . , Tsn, the brightness of light emitted by the EL elements during at least one sustain period is set to be always lower than the brightness of light emitted by the EL elements during the other sustain periods, and the sustain periods are extended by the amount that the brightness has dropped. In accordance with the above structure, the sustain periods can be extended by lowering the setting of the brightness of light emitted by the EL elements.

(73) Assignee: **Semiconductor Energy Laboratory Co., Ltd.**

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Related U.S. Application Data

(63) Continuation of application No. 09/692,713, filed on Oct. 19, 2000, now Pat. No. 6,587,086.



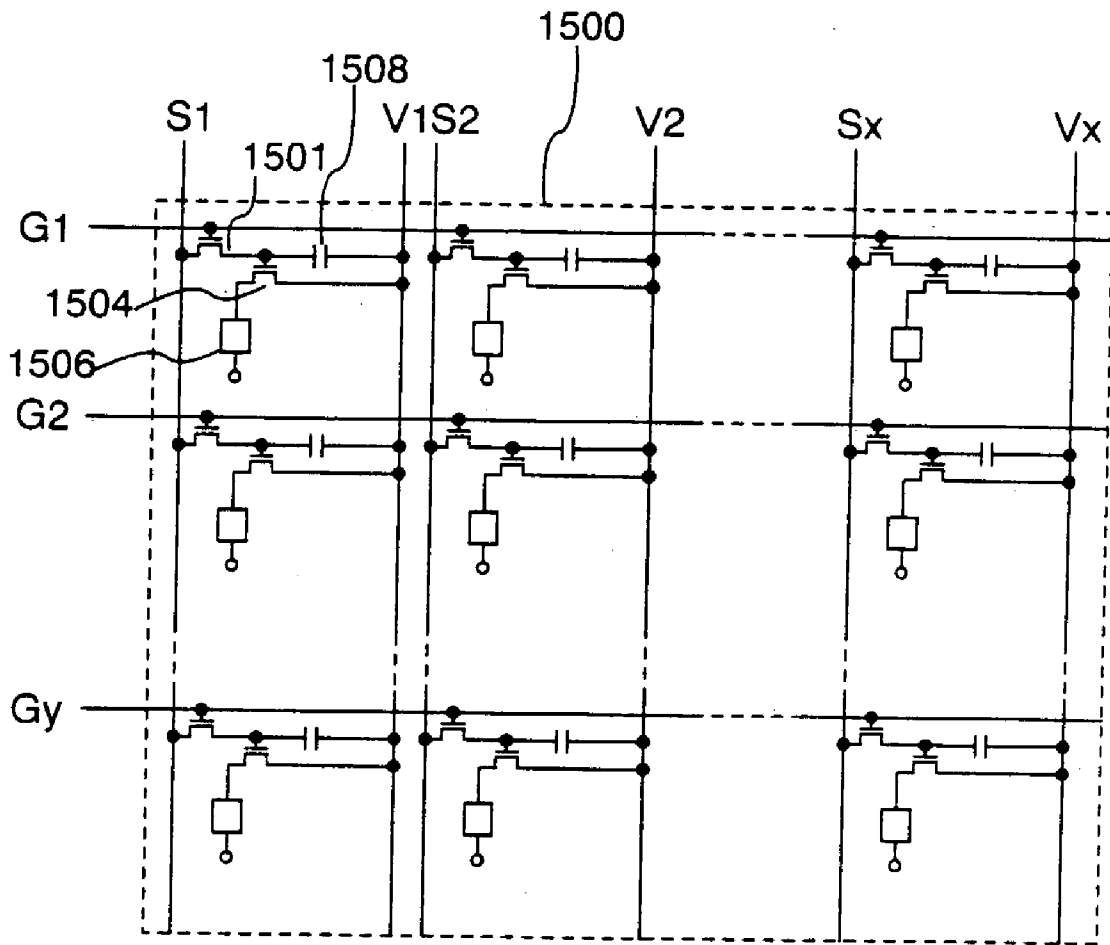


Fig.1

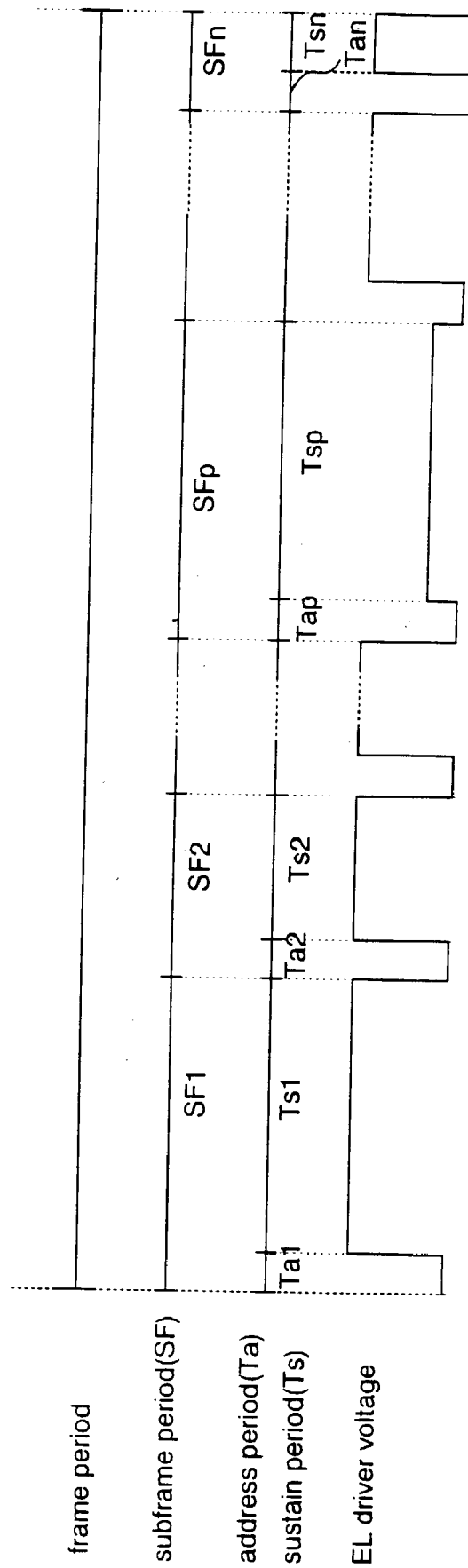


Fig.2

Fig.3A

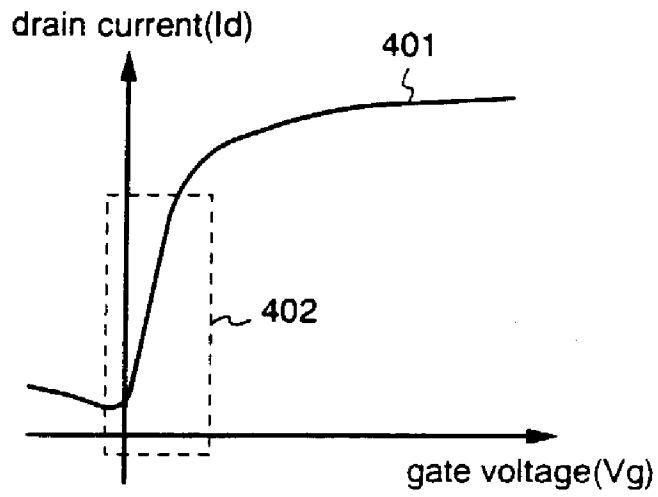
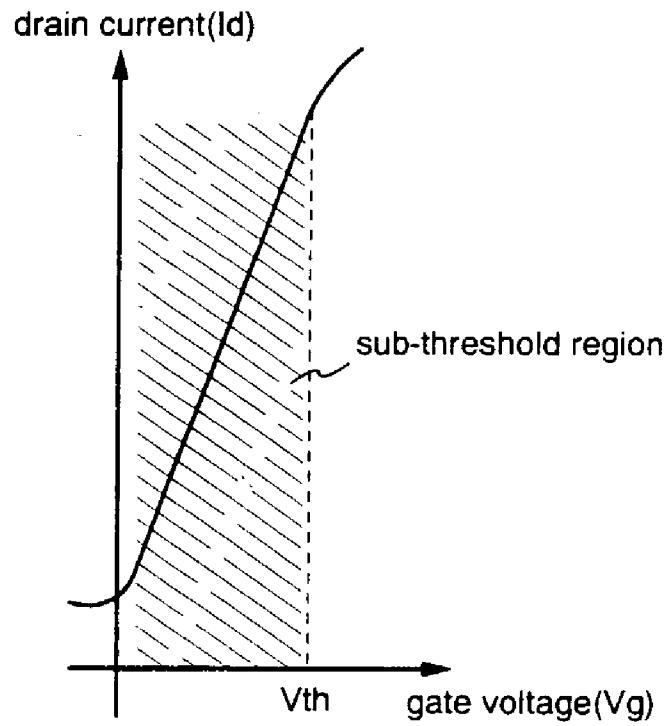


Fig.3B



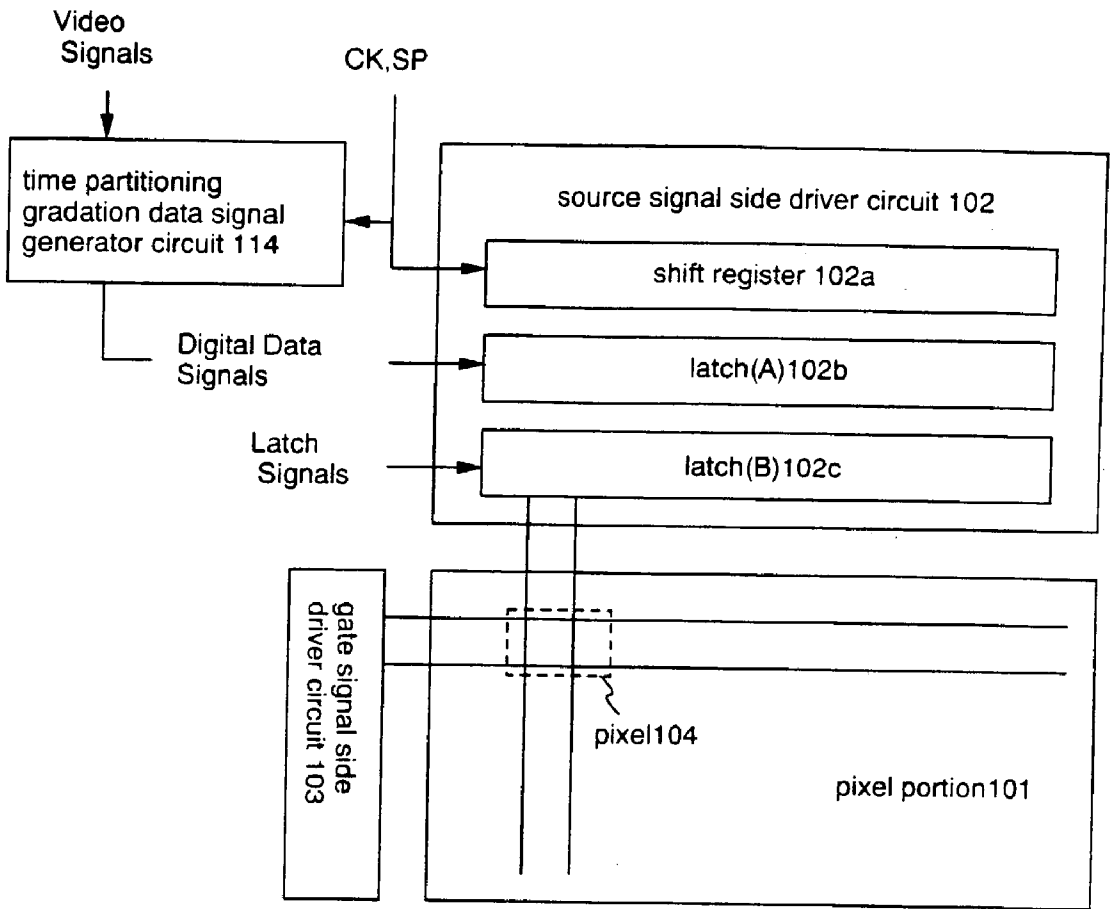


Fig.4A

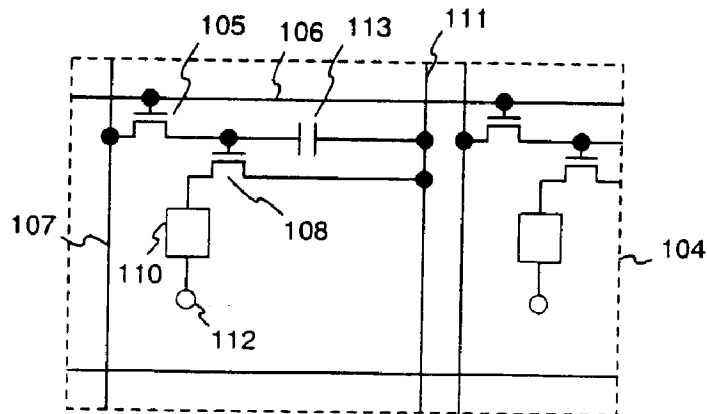


Fig.4B

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