

Title (en)

A FIELD SEQUENTIAL DISPLAY DEVICE AND METHODS OF FABRICATING SAME

Title (de)

TEILBILDSEQUENTIELLE ANZEIGEEINRICHTUNG UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

DISPOSITIF AFFICHEUR A SEQUENCE DE CHAMP ET SES PROCEDES DE FABRICATION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO03107130A2] A device adapted for use in a field sequential color display. The device may include first and second polarizers. A light scattering material may be disposed between the first and second polarizers. Additionally, the display may include a light source having a plurality of colors. Portions of the light scattering material are operable for selectable excitation. An excitation of a portion of the light scattering material is operable for controlling an amount of light of a color of the plurality of colors emitted by the display device. Further, sub-frames from which an image frame is composed may be addressed in a segmented fashion, whereby each sub-frame includes a plurality of segments. The light source is correspondingly pulsed in a segmented fashion. A given segment may be illuminated in a different color in each sub-frame. In this way, perceived flicker may be reduced.

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G06F 1/00

IPC 8 full level

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