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(54) **DISPLAY SYSTEM WITH COOLING DEVICE** (52) **U.S. Cl. 345/84**

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(57) **ABSTRACT**

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A display system includes a light guide plate for transmitting light therethrough, and a panel portion arranged opposite to a back of said light guide plate. The panel portion includes a driving portion provided with actuators of the number corresponding to that of a number of pixels. The panel portion causes a video image to be displayed on the light guide plate according to an inputted image signal, by introducing light into the light guide plate and controlling displacement operations in contact and separation directions of the actuators with respect to the light guide plate according to properties of the image signal, and thereby controlling leakage light in a predetermined region of the light guide plate. The display system further includes a cooling device for controlling flow of a fluid in contact with the back of the light guide plate, to cool the light guide plate from its backside.

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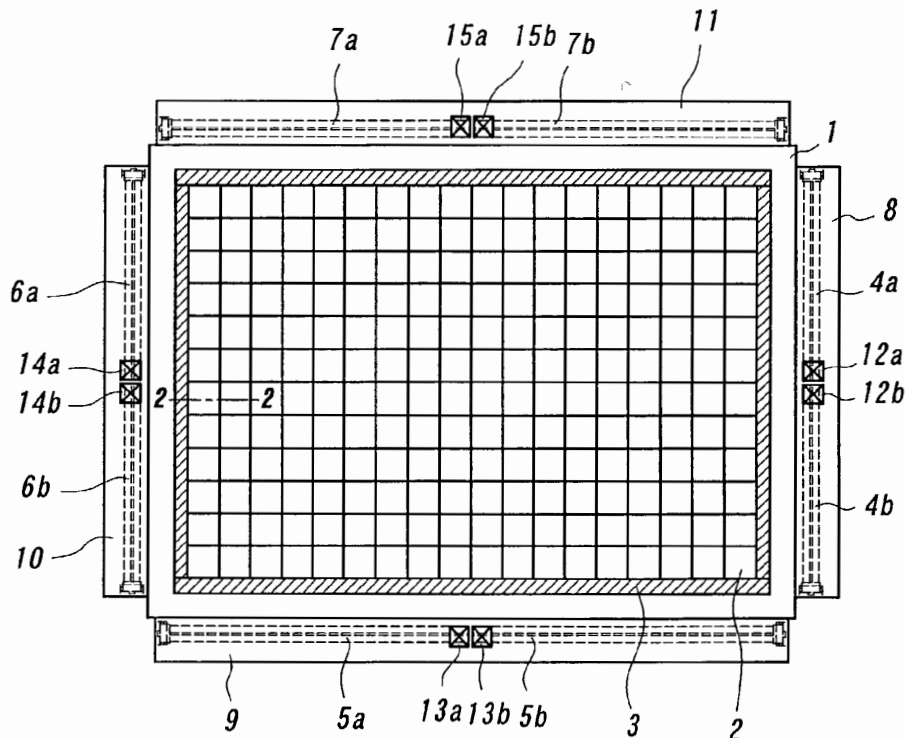


FIG. 1

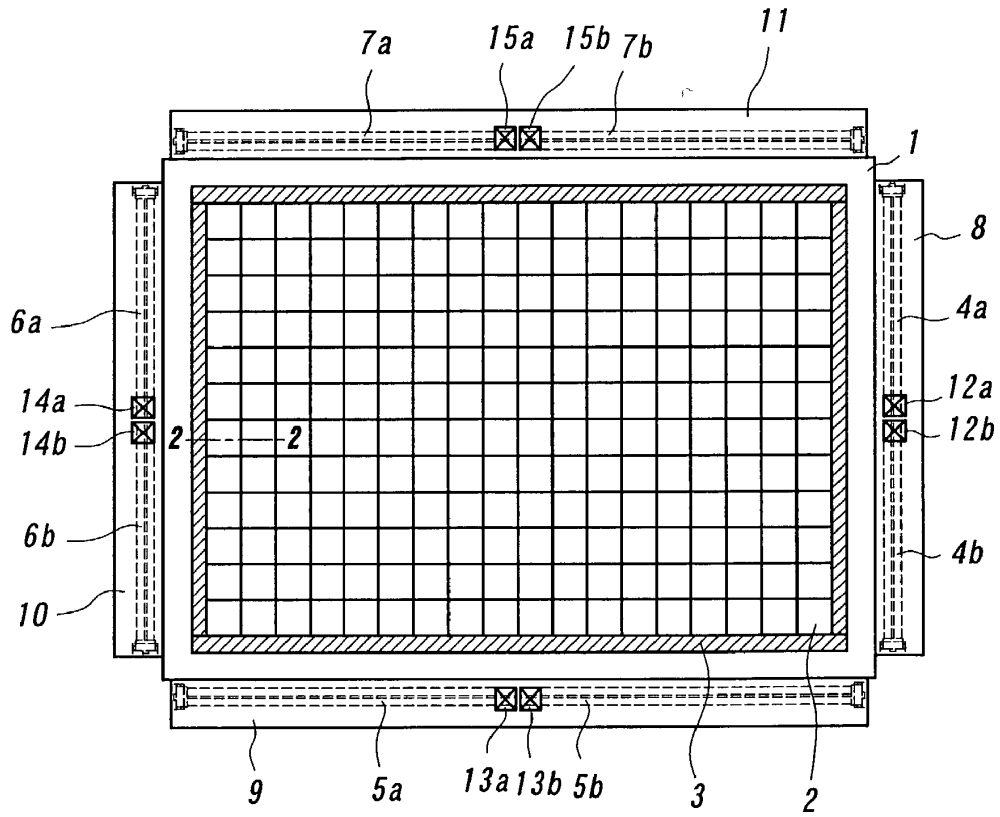


FIG. 2

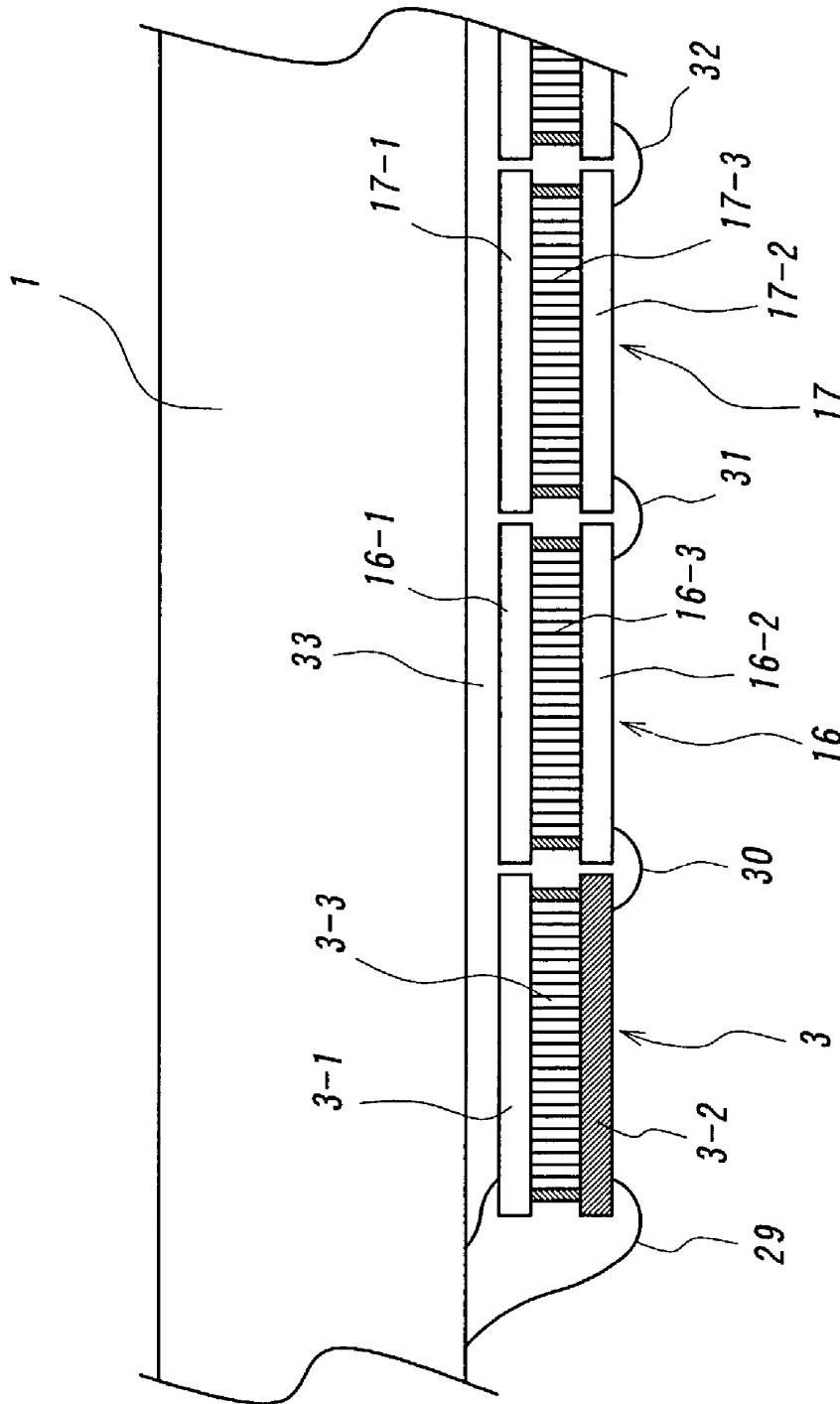


FIG. 3

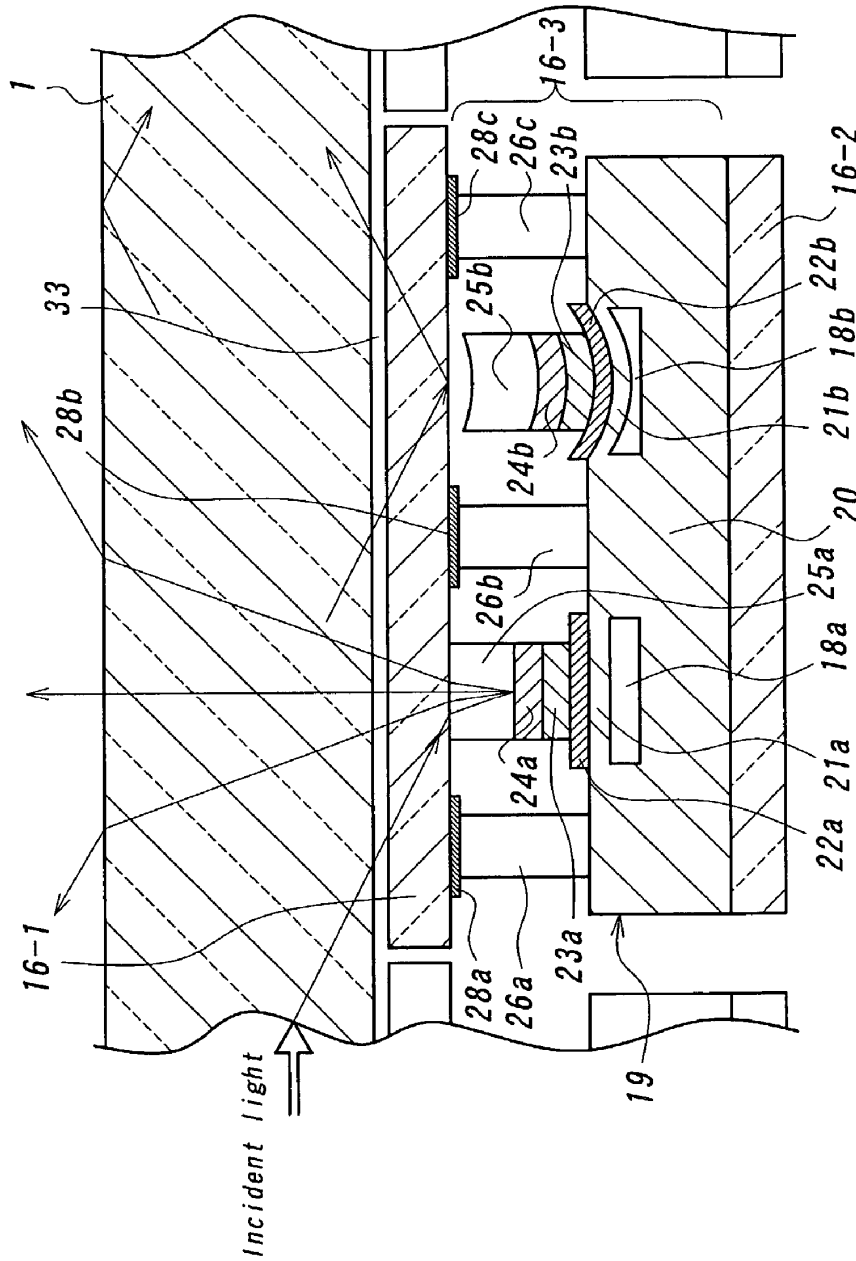
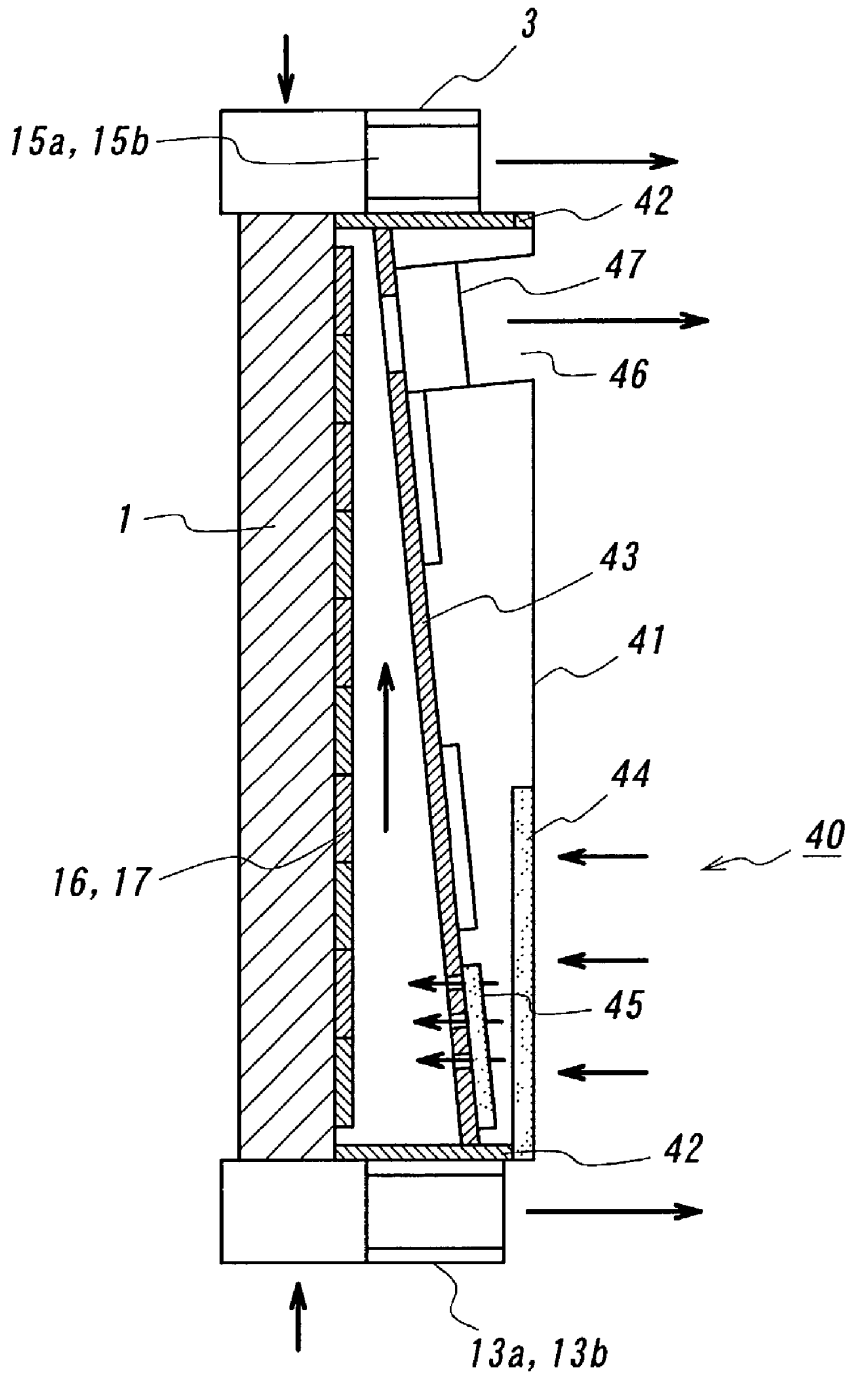


FIG. 4



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