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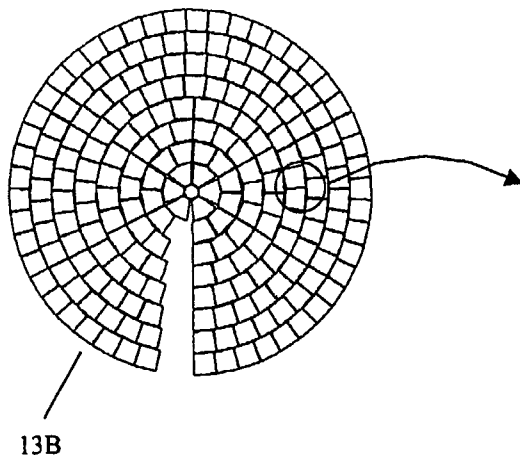
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Declarations under Rule 4.17:

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(54) Title: THREE-DIMENSIONAL DISPLAY USING VARIABLE FOCUSING LENS



(57) Abstract: A three-dimensional display device includes a two-dimensional display displaying a first image, and a variable focusing lens receiving light from the two-dimensional display and forming a second image. The variable focusing lens reflects light from the two-dimensional display. The first image includes a predetermined number of first depthwise images that are displayed within a unit time, and the second image includes corresponding second depthwise images. Each depthwise image represents the portion of the first image having the same image depth, and the two-dimensional display displays one depthwise image at a time. The focal length of the variable focusing lens changes according to the depth of the depthwise image being displayed. A micromirror array lens is used as the variable focusing lens. The micromirror array lens has enough speed and focusing depth range for realistic three-dimensional display.

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