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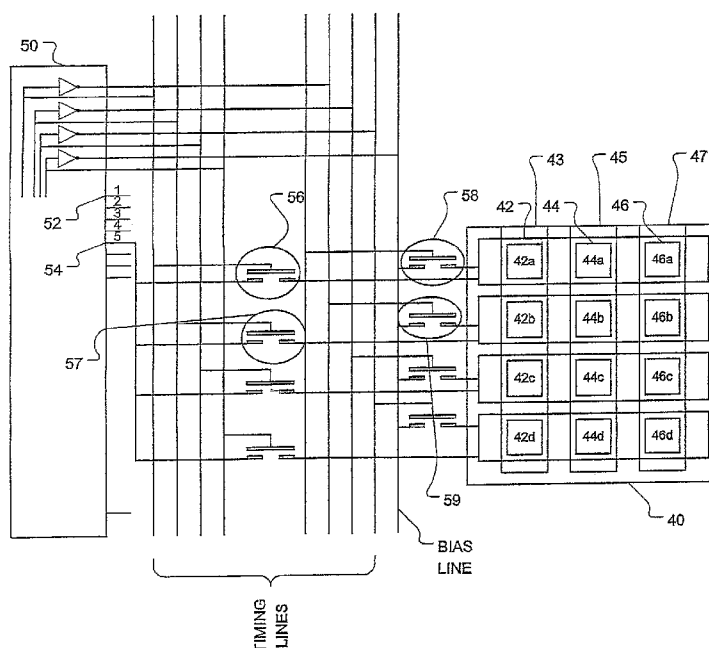
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(54) Title: AREA ARRAY MODULATION AND LEAD REDUCTION IN INTERFEROMETRIC MODULATORS



(57) Abstract: A light modulator is arranged as an array of rows and columns of interferometric display elements. Each element is divided into sub-rows of sub-elements. Array connection lines transmit operating signals to the display elements, with one connection line corresponding to one row of display elements in the array. Sub-array connection lines electrically connect to each array connection line. Switches transmit the operating signals from each array connection line to the sub-rows to effect gray scale modulation.

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