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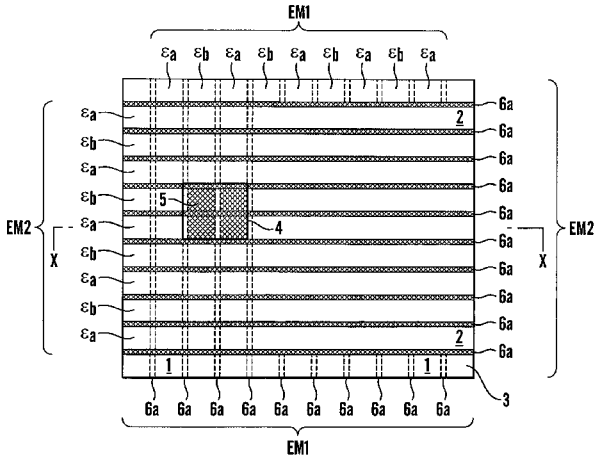
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(54) Title: A MATRIX-ADDRESSABLE OPTOELECTRONIC APPARATUS AND ELECTRODE MEANS IN THE SAME



(57) Abstract: In a matrix-addressable optoelectronic apparatus comprising a functional medium in the form of an optoelectronically active material (3) provided in a global layer in sandwich between a first and second electrode means (EM1,EM2) with parallel strip-like electrodes (1; 2) wherein the electrodes (2) of the second electrode means (EM2) are oriented at an angle to the electrodes (1) of the first electrode means (EM2), functional elements (5) are formed in the active material where respective electrodes (1, 2) overlap and correspond to optically active pixels (5) in a display device or pixels (5) in an optical detector, depending upon the active material (3) used. In each of the electrode means (EM1; EM2) the electrodes (1; 2) are provided in a dense parallel configuration and mutually insulated by a thin film (6) with a thickness that is only a fraction of the width of the electrodes. This allows for a fill factor of pixels (5) in the active material (3) approaching unity and a corresponding high degree of pixellation, thus providing either a display with a high surface brightness and high resolution or an optical detector with high sensitivity and high resolution.

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