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(54) Title: PRODUCTION OF 2D-ARRAYS

(57) Abstract

A method for the production of an array of pixels arranged in a geometric pattern, which pixels have desired properties, such as electro-optical, magneto-optical or similar properties. Such pixels are connected by electrically conductive strips which allow one to connect at will one or more of the pixels with exterior recording means. Preferred are arrays of parallel pixels, arranged on parallel conductive stripes, on a transparent substrate which is an electrical insulator, with parallel conductive stripes at a perpendicular arrangement to the first stripes being in contact with the upper surface of the pixels. The pixels are generally in the micron or submicron size range, and a preferred material of these is bacteriorhodopsin (bR).