

METHODS AND OPHTHALMIC DEVICES WITH ORGANIC SEMICONDUCTOR LAYER

ABSTRACT

This invention discloses methods and apparatus to form organic semiconductor transistors upon three-dimensionally formed insert devices. In some embodiments, the present invention includes incorporating the three-dimensional surfaces with organic semiconductor-based thin film transistors, electrical interconnects, and energization elements into an insert for incorporation into ophthalmic lenses. In some embodiments, the formed insert may be directly used as an ophthalmic device or incorporated into an ophthalmic device.

Fig. 1