

ABSTRACT

METHODS AND APPARATUS FOR ELECTROACTIVE VARIABLE APERTURE LENSES

This invention discloses methods and apparatus for providing a variable aperture insert into a lens. A liquid crystal layer may be used to provide a variable aperture function and in some examples. In other examples, electrochromic, photochromic, liquid meniscus or electroactive elastomeric devices may form a light blocking element of a variable aperture insert. In some examples, an ophthalmic lens is cast-molded from a silicone hydrogel including a variable aperture insert.

Fig. 2A