

VARIABLE OPTIC OPHTHALMIC DEVICE INCLUDING LIQUID CRYSTAL ELEMENTS

ABSTRACT

Methods and apparatuses for providing a variable optic insert into an ophthalmic lens as set forth. An energy source is capable of powering the variable optic insert included within the ophthalmic lens. In some embodiments, an ophthalmic lens is cast-molded from a silicone hydrogel. The various ophthalmic lens entities may include electroactive liquid crystal layers to electrically control refractive characteristics.

Fig. 1