THERMOFORMED OPHTHALMIC INSERT DEVICES

ABSTRACT

The present invention describes single-piece or multi-piece Rigid Inserts that may be included in an Ophthalmic Lenses or may comprise the Ophthalmic Lens, wherein the Rigid Insert may be formed through the processing of thin sheet material by thermoforming. Single piece annular Rigid Inserts may perform the function of providing a template for printed patterns to be included in Ophthalmic Lenses. Single piece full Rigid Inserts may perform the function of polarizing light or filtering light based on the properties of materials used to form the insert. Multi-piece Rigid Inserts may include activation and energization elements. The present invention also includes methods and apparatus for forming the Rigid Inserts.

Fig. 8