

ENERGIZABLE OPHTHALMIC LENS WITH A SMARTPHONE EVENT INDICATOR MECHANISM

ABSTRACT

The present invention is directed to an energizable ophthalmic lens with a smartphone event indicator, wherein the ophthalmic lens may wirelessly receive smartphone event data from a smartphone. The energizable ophthalmic lens may comprise energizable components encapsulated by the soft biocompatible portion or may comprise a media insert that may encapsulate the components. The media insert may be included in ophthalmic lens. The ophthalmic lens may include a verification mechanism, wherein a pairing with a specified smartphone may limit wireless communication to communication between the two specified devices. The receipt of smartphone event data may activate an indicator in the ophthalmic lens. The ophthalmic lens may allow for user response to the notification of the smartphone event. The response may trigger an internal action within the ophthalmic lens, or the ophthalmic lens may transmit response data to the smartphone, triggering an action in the smartphone.

Fig. 2