

ELECTRONIC OPHTHALMIC LENS WITH PUPIL CONVERGENCE SENSOR

ABSTRACT

A pupil position and convergence detection system for an ophthalmic lens comprising an electronic system is described herein. The pupil position and convergence detection system is part of an electronic system incorporated into the ophthalmic lens. The electronic system includes one or more batteries or other power sources, power management circuitry, one or more sensors, clock generation circuitry, control algorithms and circuitry, and lens driver circuitry. The pupil position and convergence detection system is utilized to determine pupil position and use this information to control various aspects of the ophthalmic lens.

Fig. 14