

NEUROMUSCULAR SENSING FOR VARIABLE-OPTIC ELECTRONIC OPHTHALMIC LENS

ABSTRACT

A variable-optic powered or electronic ophthalmic lens may be utilized to augment the eye's natural ability to refract light or focus. The variable-optic powered lens comprises an electronic system that includes a power source, power management circuitry, clock generation circuitry, control algorithms and circuitry and lens driver circuitry. The ophthalmic lens may also comprise one or more sensors configured to detect ciliary muscle signals and adjust the optics of the lens accordingly.

Fig. 2