## CLAIMS

1. An eyelid position sensing system for a pair of powered ophthalmic devices, the eyelid position sensing system comprising:
for each of a user's eyes a separate sensor with at least:
a first electrode configured to be selectively overlaid by one or more of an upper eyelid and a lower eyelid of the user;
a second electrode configured to be selectively overlaid by one or more of an upper eyelid and a lower eyelid of the user; and
a system controller cooperatively associated with each first electrode and each second electrode to receive capacitance measurements therefrom from each of the user's eyes, the system controller configured to:
determine a position of one or more of the upper eyelid and the lower eyelid in spatial coordinates for each of the user's eyes based on the capacitance measurement received from the first electrode and the second electrode in each powered ophthalmic device;
determine gaze direction and convergence for each of the user's eyes based on information received from the sensor positioned in each powered ophthalmic device; and
output a separate control signal from each powered ophthalmic device to control a separate power optic in each of the powered ophthalmic devices.

2. The eyelid position sensing system according to claim 1, wherein the first electrode and the second electrode are spaced apart.

3. The eyelid position sensing system according to claim 1, wherein the first electrode and the second electrode are disposed on the powered ophthalmic device.

4. The eyelid position sensing system according to claim 3, wherein the powered ophthalmic device comprises a contact lens, an intraocular lens, an overlay lens, an ocular insert, or an optical insert, or a combination thereof.

5. The eyelid position sensing system according to claim 1, wherein one or more of the first electrode and the second electrode is configured in a generally curvilinear shape.

6. The eyelid position sensing system according to claim 1, wherein the first electrode and the second electrode are configured in a generally annular shape.

7. The eyelid position sensing system according to claim 1, wherein the first electrode and the second electrode are disposed on opposite sides of a pupil of an eye of the user of the powered ophthalmic device.

8. The eyelid position sensing system according to claim 1, further comprising a signal processor configured to receive signals from the first electrode and the second electrode, perform digital signal processing, and output one or more processed signals to the system controller.

9. The eyelid position sensing system according to claim 8, wherein the signal processor comprises associated memory.

10. The eyelid position sensing system according to claim 1, further comprising a power supply.

11. The eyelid position sensing system according to claim 1, wherein the spatial coordinates are in two dimensions.

12. The eyelid position sensing system according to claim 1, wherein the spatial coordinates are in three dimensions.

13. The eyelid position sensing system according to claim 1, further comprising a transceiver configured to wirelessly interfaces with an external device.