

ABSTRACT

CAPACITIVE SENSING CIRCUITS AND METHODS FOR DETERMINING EYELID POSITION USING THE SAME

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The present disclosure relates to sensor systems for electronic ophthalmic devices. In certain embodiments, the sensor systems may comprise a first electrode configured to be selectively overlaid by one or more of an upper eyelid and a lower eyelid of a user, a second electrode configured to be selectively overlaid by one or more of an upper eyelid and a lower eyelid of a user, and a system controller cooperatively associated with the first electrode and the second electrode to receive a capacitance measurement therefrom, the system controller configured to determine a position of one or more of the upper eyelid and the lower eyelid in spatial coordinates based on the capacitance measurement received from the first electrode and the second electrode.

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Figure 1