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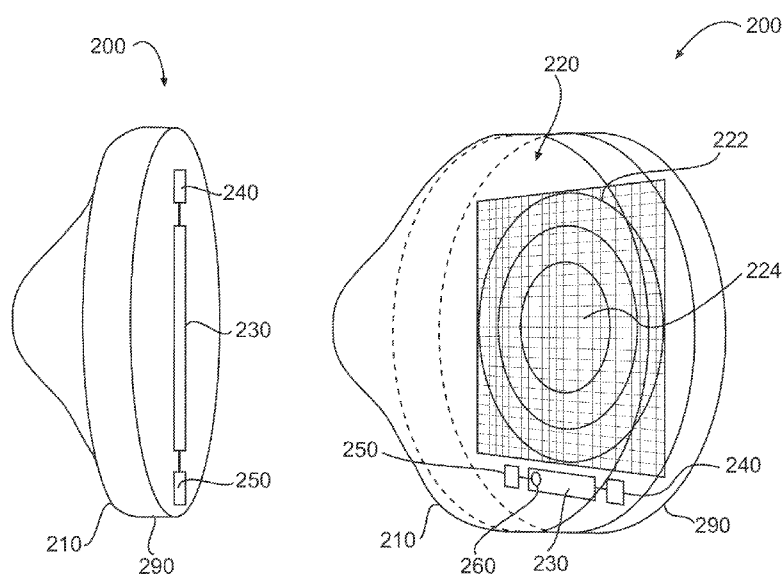
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[Continued on next page]

(54) Title: **IMPLANTABLE OPHTHALMIC DEVICE WITH AN ASPHERIC LENS****FIG. 2**

(57) **Abstract:** Implantable ophthalmic devices with aspheric lenses and dynamic electro-active elements offer excellent depth of field and image quality while providing high optical throughput. An exemplary implantable ophthalmic device includes an aspheric lens with a negative spherical aberration that varies with radius. The aspheric lens can have peak optical powers at its geometric centers surrounded by a region of varying optical power (with varying slope) that extends radially from its center. When implanted, these aspheric lenses provide an incremental optical power that varies as a function of pupil diameter, which changes with object distance, for viewing far, intermediate, and near objects. The aspheric lens may also be bonded or integrally formed with a spherical lens that provides fixed optical power for viewing far objects and/or a dynamic electro-active element that with two or more states (e.g., on and off) for increasing the effective optical power when viewing near objects.



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