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(54) Title: CONTACT LENSES AND METHODS RELATING THERETO

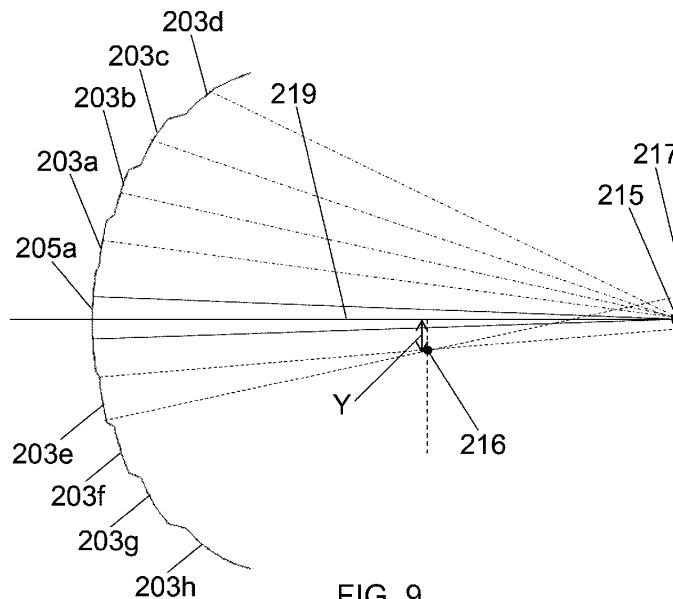


FIG. 9

(57) Abstract: A contact lens (201) includes an optic zone (202) that is centred on an optical axis (219), and a peripheral zone (204) surrounds the optic zone (202). A cross-sectional slice through the optic zone (202) along a meridian comprises a series of successive arcs (203a-203h) having a radial curvature power profile. The radial curvature power profile increases monotonically with radial distance from the optical axis (219). Light rays from a distant point source passing through the midpoint of each arc converge toward a point (215) on the first optical axis (203a-203h). For each arc (203a-203h), light rays from a distant point source pass through that arc (203a-203h) and converge towards a point (216) that is spaced away from the optical axis by a first distance. Methods of designing and manufacturing such contact lenses (201) are also described.

[Continued on next page]

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