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(54) Title: FLEXIBLE LIQUID CRYSTAL-CONTAINING LENSES

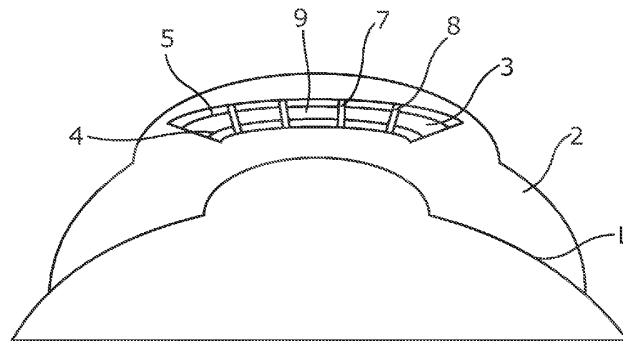


FIG. 1B

(57) Abstract: Electrically-switchable flexible ophthalmic lenses for conforming to the eye of a user are provided. The lenses comprise: a liquid crystal cell for changing an optical characteristic of the ophthalmic lens, and having a cell gap thickness between a first inner surface and a second inner surface with liquid crystal therebetween, the flexible liquid crystal cell having a chord radius, w , and comprising: a plurality of support members, each support member is arranged to maintain the cell gap thickness by providing support at one or more support locations within the cell, and the support members are arranged such that the support locations form two rings concentric with a centre of the liquid crystal cell, the first ring located a chord measurement of $0.26-0.34w$ from the centre of the liquid crystal cell and the second ring located a chord measurement of $0.52-0.70w$ from the centre of the liquid crystal cell.

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