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(54) Title: ACCOMMODATING INTRAOCULAR LENS

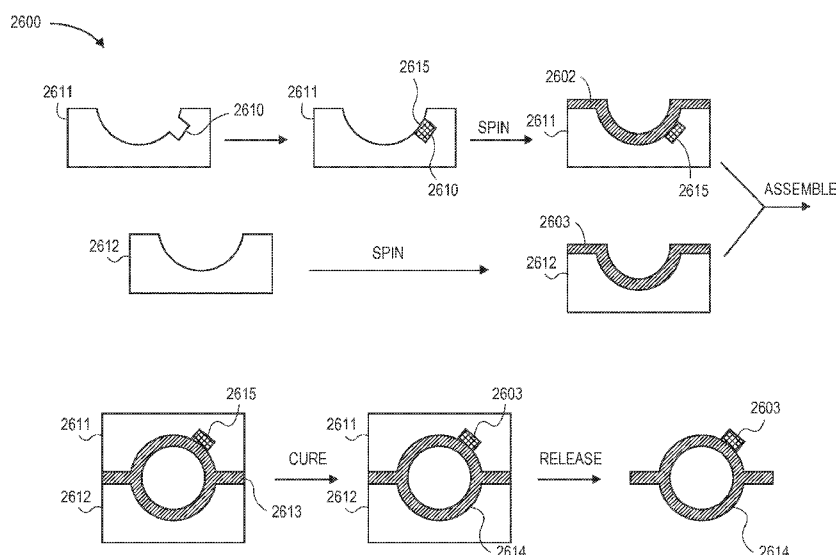


FIG. 26

(57) Abstract: Systems, devices, and methods are presented for a prosthetic injectable intraocular lens. The lenses can be made from silicone, fluorosilicone, and phenyl substituted silicone and be semipermeable to air. One or more silicone elastomeric patches located outside the optical path on the anterior side but away from the equator can be accessed by surgical needles in order to fill or adjust optically clear fluid within the lens. The fluid can be adjusted in order to set a base dioptric power of the lens and otherwise adjust a lens after its initial insertion. The elastomeric patches are sized so that they self-seal after a needle is withdrawn. A straight or stepped slit in the patch can allow a blunt needle to more easily access the interior of the lens.

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