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(54) **Title:** REWRITEABLE ABERRATION-CORRECTED GRADIENT-INDEX INTRAOCULAR LENSES

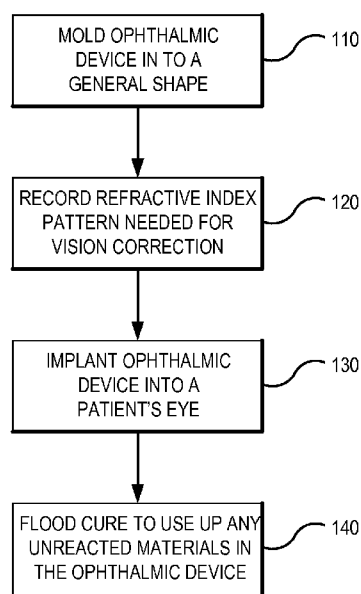


FIG. 1

(57) **Abstract:** Systems and methods for rewriteable aberration-corrected gradient-index intraocular lenses are provided. Various embodiments relate to rewriteable aberration-corrected gradient-index intraocular lenses. Some embodiments provide for polymer materials and processing to create full or partial rewriteable phakic or pseudophakic intraocular lenses which allow for adjustable visual performance by doctors. Various methods to fabricate and adjust the lenses with optical and/or mechanical properties customized to the individual patient are also disclosed.



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