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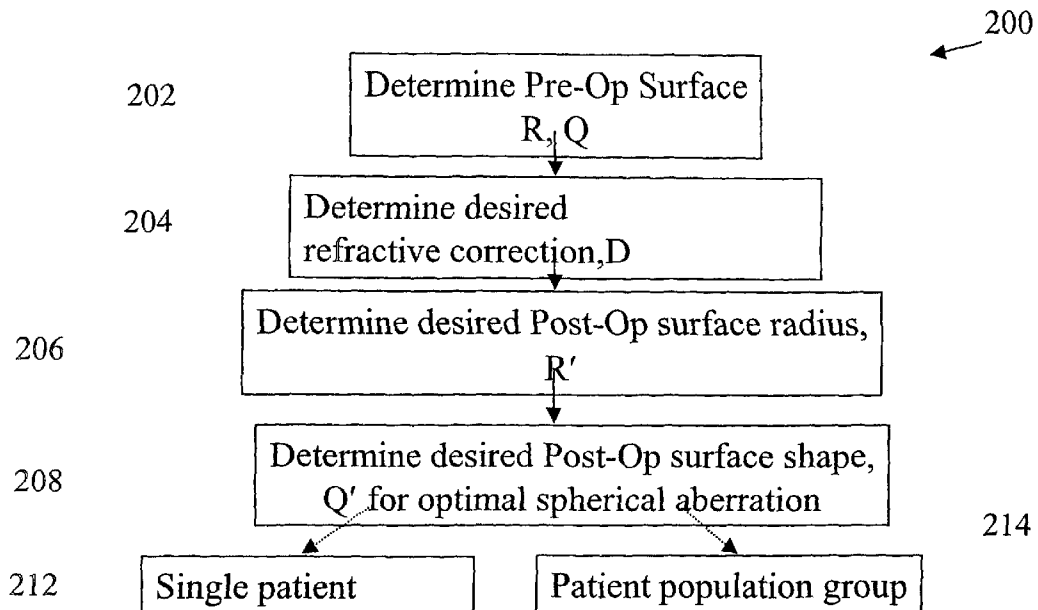
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(54) Title: BICONIC ABLATION WITH CONTROLLED SPHERICAL ABERRATION



(57) Abstract: A laser vision correction ablation algorithm relies upon the central radius of curvature and a biconic shape factor of a pre-operative and a post-operative anterior corneal surface. The post-operative shape factor is selected to provide a spherical aberration value that is optimized for a particular patient or for a particular patient population group. The algorithm is embodied as a readable, executable instruction in a device readable medium. The algorithm further sets forth a method for laser vision correction.