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(12) **United States Patent**
Bumbalough

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(54) **INTRAOCULAR LENS AND METHODS FOR PROVIDING ACCOMMODATIVE VISION**
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(57) **ABSTRACT**

Related U.S. Application Data

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An accommodating intraocular lens for providing a range of accommodative vision contains an optic and a haptic. The optic is disposed about an optical axis and includes an anterior surface and a posterior surface defining a clear aperture of the optic. The haptic is at least partially disposed inside the optic and includes an inner structure, an outer structure, and a plurality of arms disposed between and connecting the inner structure and the outer structure. The inner structure is circumferentially disposed about the optical axis, while the outer structure is circumferentially disposed about the inner structure and has an outer face. Each arm has proximal portion adjacent the inner structure and a distal portion adjacent the outer structure that is bifurcated in a radial direction from the proximal portion. The intraocular lens also has an outer surface defined by outer surfaces of the plurality of arms and an outer surface of the outer structure. The inner structure and at least a portion of the arms are disposed inside the clear aperture. The distal portion of each arm has a larger axial extent than an axial extent of the inner portion. The distal portion of each arm has a larger axial extent along the outer surface than an axial extent of the outer structure along the outer surface.

(51) **Int. Cl.**
A61F 2/16 (2006.01)

(52) **U.S. Cl.** **623/6.46; 623/6.37**

(58) **Field of Classification Search** 623/6.11, 623/6.37-6.43, 6.46, 6.49, 6.51
See application file for complete search history.

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4 Claims, 6 Drawing Sheets

