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ABSTRACT

INTRAOCULAR LENS SYSTEM

5 An accommodating intraocular lens system including a higher diopter positive
intraocular lens and a lower diopter negative intraocular lens. The positive
intraocular lens includes a positive optic portion having an outer peripheral edge and
two or more haptic elements. The negative intraocular lens includes a negative optic
portion having an outer peripheral edge and two or more haptic elements. Each
10 haptic element is formed to have specific flexibility characteristics so as to be less
resistant to bending in a plane generally parallel to an eye's optical axis than in a
plane generally perpendicular to the eye's optical axis. The accommodating
intraocular lens system is so designed with specific flexibility characteristics to
facilitate axial displacement of the positive optic portion with respect to the negative
15 optic portion along the eye's optical axis under a compression force. Through the
axial displacement of the positive optic portion with respect to the negative optic
portion, accommodative effects are maximized to achieve multi-distance visual
imaging.

FIG.4