CLAIMS

1. An improved posterior chamber phakic intraocular lens, comprising:

an optic;

a first haptic portion extending radially outward from the optic;

a second haptic portion extending radially outward from the optic and on an opposite side from the first haptic portion;

a first footplate (115, 335, 332) and extending radially outward from the first haptic portion,

a second footplate (115, 335, 332) having a length and a proximal end and extending radially outward from the second haptic portion;

each of the footplates also having a distal end, and

each of the footplates also having a bending zone that is a region of decreased thickness disposed between the proximal and distal ends of the footplate.

2. The improved posterior chamber phakic intraocular lens of claim 1, wherein the bending zone includes a hinge-like portion.

3. The improved posterior chamber phakic intraocular lens of claim 1, wherein the bending zone includes a compression element.

4. The improved posterior chamber phakic intraocular lens of claim 1, wherein the bending zone includes a section of the length of at least one of the supporting elements having a thinner cross-section than the cross-section of the remainder of the length of the supporting element.

5. The improved posterior chamber phakic intraocular lens of claim 1, wherein each footplate is anteriorly angled with respect to the haptic area along an entire junction between the footplate and the haptic portion.

6. An improved posterior chamber phakic intraocular lens, comprising:
an optic;
a first haptic body extending radially outward from the optic;
a second haptic body extending radially outward from the optic and on an opposite side from the first haptic portion;
a first footplate (115, 335, 332) having a length and a proximal end extending radially from the first haptic body; and
a second footplate having a length and a proximal end and extending radially from the second haptic body;
a first notch (390) that is a region of decreased thickness at a first junction between the first haptic body and the first footplate along the entire length of the first junction; and
is a region of decreased thickness at a second junction between the second haptic body and the second footplate along the entire length of the second.

7. The lens of claim 6, wherein the first footplate is anteriorly angled with respect to the first haptic body along the entire first junction between the first footplate and the first haptic body, and wherein the second footplate is anteriorly angled with respect to the second haptic body along the entire second junction between the second footplate and the second haptic portion.

8. An improved posterior chamber phakic intraocular lens, comprising:

an optic portion;
a first haptic portion extending radially outward from the optic portion;
a second haptic portion extending radially outward from the optic portion and on an opposite side from the first haptic portion;
the first haptic portion having a single region 295, 265 with a thickness that is less than a thickness of the first haptic portion proximal to the single region 295, 265 and distal to the single region 295, 265;
the second haptic portion having a single region 295, 265 with a thickness than is less than a thickness of the second haptic portion proximal to the singe region 295, 265 and distal to the single region 295, 265;
a first footplate (115, 335, 332) extending radially outward from the first haptic body;
a second footplate (115, 335, 332) extending radially outward from the second haptic body;
a first junction between the first haptic body and the first footplate; and
a second junction between the second haptic body and the second footplate.

9. The lens of claim 8, wherein the first footplate is anteriorly angled with respect to the first haptic portion along the entire first junction between the first footplate and the haptic portion, and wherein the second footplate is anteriorly angled with respect to the second haptic portion along the entire second junction between the second footplate and the haptic portion.

10. The lens of claim 8, wherein the single region in the first haptic portion is a notch 265, and wherein the single region in the second haptic portion is a notch 265.

11. The lens of claim 10, wherein the notches in the first and second haptic portions are formed in a posterior surface of the lens.

12. The lens of claim 8, wherein the single region in the first haptic portion has a tapered configuration 295, and wherein the single region in the second haptic portion has a tapered configuration 295.

13. The lens of claim 12, wherein the tapered configurations are formed in a posterior surface of the lens.