CLAIMS

1. An ophthalmic lens comprising:

an optic zone and a non-optic zone;

a front curve surface and a back curve surface; and

a textured surface formed into one or both of the front curve surface and the back curve surface, wherein the textured surface is formed at least within the optical zone and wherein the lens comprises at least one of: etafilcon, senofilcon, galyfilcon and narafilcon.

2. The lens according to claim 1, wherein the textured surface is additionally formed within the non-optic zone.

3. The lens according to claim 2, wherein the lens comprises a silicone hydrogel material.

4. The lens according to claim 2, wherein the textured surface comprises multiple concentric circles.

5. The lens according to claim 2, wherein the textured surface comprises one or more spiral patterns.

6. The lens according to claim 2, wherein the textured surface comprises radial channels.

7. The lens according to claim 2, wherein the textured surface comprises a depth of about two microns or less.

8. The lens according to claim 2, wherein the textured surface comprises a depth of about 0.5 microns or less.

9. The lens according to claim 1, wherein the textured surface comprises multiple

channels comprising a depth of about one micron or less and a space between channels of about one micron or less.

10. The lens according to claim 9, wherein the textured surface comprises a depth of about 0.5 micron or less and a space between channels of about 0.5 micron or less.

11. The lens according to claim 2, wherein the textured surface comprises a relatively rounded top portion along an exterior area of the textured surface.

12. The lens according to claim 11, wherein the textured surface comprises a relatively pointed portion along an interior area of the textured surface.

13. The lens according to claim 2, wherein the textured surface comprises a relatively pointed top portion along an exterior area of the textured surface.

14. The lens according to claim 11, wherein the textured surface comprises a relatively rounded portion along an interior area of the textured surface.

15. The lens according to claim 13, wherein the textured surface comprises a relatively rounded portion along an interior area of the textured surface.

16. A mold part for forming an ophthalmic lens, the mold part comprising:
a concave surface with an area correlating with an optic zone of an ophthalmic lens formed therewith and an area correlating with non-optic zone of an ophthalmic lens formed therewith; and
a textured surface formed into at least the area correlating with an optic zone of an ophthalmic lens formed therewith wherein a material used to form the mold part comprises a cyclic polyolefin.

17. A mold part for forming an ophthalmic lens, the mold part comprising:
a convex surface with an area correlating with an optic zone of an ophthalmic lens formed therewith and an area correlating with non-optic zone of an ophthalmic lens

formed therewith; and

a textured surface formed into at least the area correlating with an optic zone of an ophthalmic lens formed therewith wherein a material used to form the mold part comprises a cyclic polyolefin.

18. A mold part for forming an ophthalmic lens, the mold part comprising:

a concave surface with an area correlating with an optic zone of an ophthalmic lens formed therewith and an area correlating with non-optic zone of an ophthalmic lens formed therewith; and

a textured surface formed into at least the area correlating with an optic zone of an ophthalmic lens formed therewith wherein a material used to form the mold part comprises a cyclic olefin polymer.

19. A mold part for forming an ophthalmic lens, the mold part comprising:

a convex surface with an area correlating with an optic zone of an ophthalmic lens formed therewith and an area correlating with non-optic zone of an ophthalmic lens formed therewith; and

a textured surface formed into at least the area correlating with an optic zone of an ophthalmic lens formed therewith wherein a material used to form the mold part comprises a cyclic olefin polymer.

CLAIMS

1. An ophthalmic lens comprising:
an optic zone and a non-optic zone;
a front curve surface and a back curve surface; and
a textured surface formed into one or both of the front curve surface and the back curve surface, wherein the textured surface is formed at least within the optical zone and wherein the textured surface is additionally formed within the non-optic zone and comprises one or more spiral patterns the or each being in the form of a continuous groove that spirals about a center point.

2. The lens according to claim 1, wherein the lens comprises at least one of: etafilcon, senofilcon, galyfilcon and narafilcon.

3. The lens according to claim 1, wherein the lens comprises a silicone hydrogel material.

4. The lens according to claim 1, wherein the textured surface comprises multiple channels wherein the or each channel is curved when seen in cross section and contains a pair of points of inflection.

5. The lens according to claim 1, wherein the textured surface comprises a depth of ~~about~~ two microns or less.

6. The lens according to claim 1, wherein the textured surface comprises a depth of 0.5 microns or less.

7. The lens according to claim 1, wherein the textured surface comprises multiple channels comprising a depth of one micron or less and a space between channels of one micron or less.

8. The lens according to claim 7, wherein the textured surface comprises a depth of 0.5 micron or less and a space between channels of 0.5 micron or less.

9. The lens according to claim 1, wherein the textured surface comprises a relatively rounded top portion along an exterior area of the textured surface, each rounded top possessing a pair of discontinuities before continuing in a linear fashion.

10. The lens according to claim 9, wherein the textured surface comprises a relatively pointed portion along an interior area of the textured surface.

11. The lens according to claim 1, wherein the textured surface comprises a relatively pointed top portion along an exterior area of the textured surface.

12. The lens according to claim 9, wherein the textured surface comprises a relatively rounded portion along an interior area of the textured surface, each rounded top possessing a pair of discontinuities before continuing in a linear fashion.

13. The lens according to claim 11, wherein the textured surface comprises a relatively rounded portion along an interior area of the textured surface.

14. A mold part for forming an ophthalmic lens, the mold part comprising:
a concave surface with an area correlating with an optic zone of an ophthalmic lens formed therewith and an area correlating with non-optic zone of an ophthalmic lens formed therewith; and
a textured surface formed into at least the area correlating with an optic zone of an ophthalmic lens formed therewith wherein the textured surface is additionally formed within the non-optic zone and comprises one or more spiral patterns the or each being in the form of a continuous groove that spirals about a center point and wherein a material used to form the mold part comprises a cyclic polyolefin.

15. A mold part for forming an ophthalmic lens, the mold part comprising:
a convex surface with an area correlating with an optic zone of an ophthalmic lens

formed therewith and an area correlating with non-optic zone of an ophthalmic lens formed therewith; and

a textured surface formed into at least the area correlating with an optic zone of an ophthalmic lens formed therewith wherein the textured surface is additionally formed within the non-optic zone and comprises one or more spiral patterns the or each being in the form of a continuous groove that spirals about a center point and wherein a material used to form the mold part comprises a cyclic polyolefin.

16. A mold part for forming an ophthalmic lens, the mold part comprising:

a concave surface with an area correlating with an optic zone of an ophthalmic lens formed therewith and an area correlating with non-optic zone of an ophthalmic lens formed therewith; and

a textured surface formed into at least the area correlating with an optic zone of an ophthalmic lens formed therewith wherein the textured surface is additionally formed within the non-optic zone and comprises one or more spiral patterns the or each being in the form of a continuous groove that spirals about a center point and wherein a material used to form the mold part comprises a cyclic olefin polymer.

17. A mold part for forming an ophthalmic lens, the mold part comprising:

a convex surface with an area correlating with an optic zone of an ophthalmic lens formed therewith and an area correlating with non-optic zone of an ophthalmic lens formed therewith; and

a textured surface formed into at least the area correlating with an optic zone of an ophthalmic lens formed therewith wherein the textured surface is additionally formed within the non-optic zone and comprises one or more spiral patterns the or each being in the form of a continuous groove that spirals about a center point and wherein a material used to form the mold part comprises a cyclic olefin polymer.