CLAIMS

1. An ophthalmic lens for at least one of slowing, retarding or preventing myopia progression, the ophthalmic lens comprising:

a center treatment zone;

a myopia correction zone surrounding the center zone, wherein the myopia correction zone exhibits a negative optical power for myopic vision correction, and wherein the center zone exhibits an ADD power relative to the myopia correction zone; and

at least one treatment zone surrounding the center zone and disposed radially outwardly from the myopia correction zone, the at least one treatment zone having a power profile comprising a positive power relative to the myopia correction zone, wherein the at least one treatment zone has a surface shape comprising a portion of a toroidal shape and an annular configuration having a shared radial axis with the center zone, and wherein the at least one treatment zone generates a focal ring, with the locus of each of the infinite focal points on the ring being displaced non-coaxially from the geometric axis of the center zone, and wherein the at least one treatment zone is so arranged as to form a continuous surface with other zones of the lens or being joined by an optically dysfunctional, transition region to allow the individual zones to form a continuous surface, wherein the at least one treatment zone is configured to generate the focal ring in front of a retinal plane of the eye of a wearer of the ophthalmic lens.

2. The ophthalmic lens according to claim 1, further comprising a transition zone disposed between the center zone and the at least one treatment zone such that the at least one treatment zone, the transition zone, and the center zone are so arranged as to form a continuous surface with other zones of the lens or being joined by an optically dysfunctional, transition region to allow the individual zones to form a continuous surface.

3. The ophthalmic lens according to claim 1, wherein the at least one treatment zone comprises an ADD power relative to the myopia correction power of greater than +5.00 D.

4. The ophthalmic lens according to claim 1, wherein the at least one treatment zone comprises an optical power from about -10.00 D to about +15.00 D.

5. The ophthalmic lens according to claim 1, wherein a diameter of the center zone is about 3 mm to about 7 mm.

6. The ophthalmic lens according to claim 1, wherein the at least one treatment zone has an outer margin at about 4.5 mm from a center of the lens.

7. The ophthalmic lens according to any one of the preceding claims, wherein the ophthalmic lens comprises a contact lens.

8. The ophthalmic lens according to any one of claims 1 to 6, wherein the ophthalmic lens comprises a spectacle lens.

9. The ophthalmic lens according to any one of claims 1 to 6, wherein the ophthalmic lens comprises an intraocular lens, a corneal inlay, or a corneal onlay.

10. The ophthalmic lens according to claim 7, further comprising one or more stabilization mechanisms.