CLAIMS

1. A translating contact lens pair for treating presbyopia including:

a first contact lens including an optical zone having at least one distance vision subzone above a horizontal meridian of the first contact lens, at least one near vision subzone below a horizontal meridian of the first contact lens and at least one intermediate vision subzone, a peripheral zone and an edge zone and having a first set of optical zone features with a first set of values for the features, the first set of optical zone features includes segment height, power, asphericity, shape, orientation and inset, the peripheral zone is positioned radially outwards from the optical zone and comprises features that enable lens translation; and

a second contact lens including an optical zone having at least one distance vision subzone above a horizontal meridian of the second contact lens, at least one near vision subzone below a horizontal meridian of the second contact lens, and at least one intermediate vision subzone, a peripheral zone and an edge zone and having a second set of optical zone features with a second set of values for the features, the second set of optical zone features includes segment height, power, asphericity, shape, orientation and inset, in the second set of optical power zone features and the peripheral zone is positioned radially outwards from the optical zone and includes features that enable lens translation, wherein the physical position of the near and intermediate subzones within the optical zone in the first lens is different from the physical position of the near and intermediate zone within the optical zone of the second lens.

2. The translating contact lens pair according to claim 1, wherein the peripheral zone of each contact lens includes a pseudotruncation design feature on an anterior surface thereof.

3. The translating contact lens pair according to claim 1 or claim 2, wherein the first set of optical zone features includes a first predetermined segment height and the second set of optical zone features includes a second predetermined segment height.

4. The translating contact lens pair according to claim 3, wherein the first predetermined segment height ranges from 0 to 1.0 mm and the second predetermined segment height ranges from 0.4 to 2.0 mm.

5. The translating contact lens pair according to claim 4, wherein the first predetermined segment height ranges from 0 to 0.6 mm and the second predetermined segment height ranges

from 0.6 to 1.5 mm.

6. The translating contact lens pair according to any one of the preceding claims, wherein the first set of optical zone features includes a first predetermined power and the second set of optical zone features includes a second predetermined power.

7. The translating contact lens pair according to claim 6, wherein the first predetermined power is about 100 percent power and the second predetermined power is less than about 100 percent power.

8. The translating contact lens pair according to claim 7, wherein the first predetermined power is about 100 percent power and the second predetermined power ranges from 25 to 75 percent power.

9. The translating contact lens pair according to claim 8, wherein the first predetermined power is about 100 percent power and the second predetermined power is about 50 percent power.

10. The translating contact lens pair according to any one of claims 7 to 9, wherein the first predetermined power is less than about 100 percent power and the second predetermined power is less than about 100 percent power but not equal to the first predetermined power.

11. The translating contact lens pair according to any one of the preceding claims, wherein the first set of optical zone features comprises a first predetermined asphericity and the second set of optical zone features comprises a second predetermined asphericity.

12. The translating contact lens pair according to claim 11, wherein the first and second predetermined asphericities have conic constants between +0.5 and –1.0.

13. The translating contact lens pair according to any one of the preceding claims, wherein the first set of optical zone features comprises a first predetermined shape and the second set of optical zone features comprises a second predetermined shape.

14. The translating contact lens pair according to claim 13, wherein the first and second predetermined shapes are identical.

15. The translating contact lens pair according to claim 13, wherein the first and second predetermined shapes are not identical.

16. The translating contact lens pair according to any one of the preceding claims, wherein the first set of optical zone features comprises a first predetermined orientation and the second set of optical zone features comprises a second predetermined orientation

17. The translating contact lens pair according to claim 16, wherein the first and second predetermined orientations are identical.

18. The translating contact lens pair according to claim 16, wherein the first and second predetermined orientations are not identical.

19. The translating contact lens pair any one of the preceding claims, wherein the first set of optical zone features includes a first predetermined inset and the second set of optical zone features comprises a second predetermined inset.

20. The translating contact lens pair according to claim 19, wherein the first predetermined inset ranges from 0 to 2.0 mm and the second predetermined inset ranges from 0.4 to 1.5 mm.

21. The translating contact lens pair according to claim 19, wherein the first predetermined inset ranges from 0.5 to 1.5 mm and the second predetermined inset ranges from 1.0 to 2.0 mm.

CLAIMS

1. A translating contact lens pair for treating presbyopia including:

a first contact lens including an optical zone having at least one distance vision subzone above a horizontal meridian of the first contact lens, at least one near vision subzone below a horizontal meridian of the first contact lens and at least one intermediate vision subzone, a peripheral zone and an edge zone and having a first set of optical zone features with a first set of values for the features, the first set of optical zone features includes segment height, power, asphericity, shape, orientation and inset, the peripheral zone is positioned radially outwards from the optical zone and comprises features that enable lens translation; and

a second contact lens including an optical zone having at least one distance vision subzone above a horizontal meridian of the second contact lens, at least one near vision subzone below a horizontal meridian of the second contact lens, and at least one intermediate vision subzone, a peripheral zone and an edge zone and having a second set of optical zone features with a second set of values for the features, the second set of optical zone features including segment height, power, asphericity, shape, orientation and inset, in the second set of optical power zone features and the peripheral zone being positioned radially outwards from the optical zone and includes features that enable lens translation;

wherein the physical position of the near and intermediate subzones within the optical zone in the first lens is different from the physical position of the near and intermediate zone within the optical zone of the second lens, and a value of at least one feature in the first set of optical power zone features is different than the value of that feature in the second set of optical power zone features and the optical zone of each contact lens is asymmetric about the vertical meridian of the contact lens, and

wherein the first set of optical zone features comprises a first predetermined power of the lens and the second set of optical zone features comprises a second predetermined power of the lens and the first predetermined power is 100 percent power and the second predetermined power is less than 100 percent power.

2. The translating contact lens pair according to claim 1, wherein the peripheral zone of each contact lens includes a pseudotruncation design feature on an anterior surface thereof.

3. The translating contact lens pair according to claim 1 or claim 2, wherein the first set of optical zone features includes a first predetermined segment height and the second set of

optical zone features includes a second predetermined segment height.

4. The translating contact lens pair according to claim 3, wherein the first predetermined segment height ranges from 0 to 1.0 mm and the second predetermined segment height ranges from 0.4 to 2.0 mm.

5. The translating contact lens pair according to claim 4, wherein the first predetermined segment height ranges from 0 to 0.6 mm and the second predetermined segment height ranges from 0.6 to 1.5 mm.

6. The translating contact lens pair according to any one of the preceding claims, wherein the first set of optical zone features includes a first predetermined power and the second set of optical zone features includes a second predetermined power.

7. The translating contact lens pair according to claim 6, wherein the first predetermined power is about 100 percent power and the second predetermined power is less than about 100 percent power.

8. The translating contact lens pair according to claim 7, wherein the first predetermined power is about 100 percent power and the second predetermined power ranges from 25 to 75 percent power.

9. The translating contact lens pair according to claim 8, wherein the first predetermined power is about 100 percent power and the second predetermined power is about 50 percent power.

10. The translating contact lens pair according to any one of claims 7 to 9, wherein the first predetermined power is less than about 100 percent power and the second predetermined power is less than about 100 percent power but not equal to the first pre-determined power.

11. The translating contact lens pair according to any one of the preceding claims, wherein the first set of optical zone features comprises a first predetermined asphericity and the second set of optical zone features comprises a second predetermined asphericity.

12. The translating contact lens pair according to claim 11, wherein the first and second

predetermined asphericities have conic constants between +0.5 and –1.0.

13. The translating contact lens pair according to any one of the preceding claims, wherein the first set of optical zone features comprises a first predetermined shape and the second set of optical zone features comprises a second predetermined shape.

14. The translating contact lens pair according to claim 13, wherein the first and second predetermined shapes are identical.

15. The translating contact lens pair according to claim 13, wherein the first and second predetermined shapes are not identical.

16. The translating contact lens pair according to any one of the preceding claims, wherein the first set of optical zone features comprises a first predetermined orientation and the second set of optical zone features comprises a second predetermined orientation.

17. The translating contact lens pair according to claim 16, wherein the first and second predetermined orientations are identical.

18. The translating contact lens pair according to claim 16, wherein the first and second predetermined orientations are not identical.

19. The translating contact lens pair any one of the preceding claims, wherein the first set of optical zone features includes a first predetermined inset and the second set of optical zone features comprises a second predetermined.

20. The translating contact lens pair according to claim 19, wherein the first predetermined inset ranges from 0 to 2.0 mm and the second predetermined inset ranges from 0.4 to 1.5 mm.

21. The translating contact lens pair according to claim 19, wherein the first pre-determined inset ranges from 0.5 to 1.5 mm and the second predetermined inset ranges from 1.0 to 2.0 mm.