CLAIMS

1. A base for receiving an ophthalmic lens storage case for storing one or more ophthalmic lenses, the base comprising:

a receptacle for receiving an ophthalmic lens storage case; and

one or more germicidal bulbs emitting disinfecting radiation in a direction which will intersect an ophthalmic lens storage compartment proximate to the ophthalmic lens storage case.

2. The base of claim 1 additionally comprising a reflective surface for reflecting disinfecting radiation towards ophthalmic lens storage compartment, wherein the reflective surface comprises one or more of: Teflon, aluminum, magnesium oxide and zirconium oxide.

3. The base of claim 2 additionally comprising one or more light emitting diodes emitting ultraviolet radiation.

4. The base of claim 3 additionally comprising a mechanism for causing the one or more light emitting diodes to pulse ultraviolet radiation, wherein the pulsing mechanism comprises an electronic circuit.

5. The base of claim 4 wherein the pulsing mechanism causes the one or more light emitting diodes to generate a pattern of radiation across a surface of a lens stored in the storage compartment.

6. The base of claim 5 additionally comprising a processor executing software and wherein the generated pattern of radiation is based upon instructions included in the software.

7. The base of claim 6 wherein the light emitting diodes emit between about 50 microwatts and 5 watts of power.

8. The base of claim 7 wherein one or both of the germicidal bulb and the light emitting diodes emit radiation in a frequency of between 250 nanometers and 280 nanometers.

9. The base of claim 1 wherein the disinfecting radiation emitted by one or both of the germicidal bulbs comprises a sufficient intensity and length of time of exposure to a storage compartment proximate to the base to kill an organism on an ophthalmic lens stored in the storage compartment.

10. The base of claim 1 additionally comprising a processor for controlling the generation of disinfecting radiation.

11. The base of claim 10 wherein a time period that a disinfecting radiation is provided by one or both of the germicidal bulb and the light emitting diodes is based upon a logical control signal generated by the processor.

12. The base of claim 10 wherein an intensity at which a disinfecting radiation is provided is based upon a logical control signal generated by the processor.

13. The base of claim 10 additionally comprising an audio component operative to provide an audio signal based upon operation of the source of disinfecting radiation.

14. The base of claim 10 additionally comprising a display for displaying a status of a disinfecting process based upon digital data transmitted by the processor.

15. The base of claim 11 additionally comprising a digital storage for storing information related to a disinfecting process.

16. The base of claim 1 additionally comprising a vibration generation device for providing mechanical movement to a storage case placed in the storage base.

17. The base of claim 16 wherein the vibration generation device comprises a piezoelectric mechanism.

18. The base of claim 16 wherein the piezoelectric mechanism is operated based upon a logical signal generated by a processor.

19. The base of claim 16 additionally comprising a universal serial bus connector for providing logical communication between one or both of: the processor and the digital storage; and personal processing device.

20. The base of claim 16 additionally comprising a universal serial bus connector for providing an electrical current for operating the storage base.

21. The base of claim 1 additionally comprising an electrical storage for storing power to operate the storage base.

22. The base of claim 21 wherein the electrical storage comprises one or more rechargeable batteries.

23. The base of claim 22 wherein the electrical storage comprises one or more lithium ion batteries.

24. The base of claim 3 wherein the ophthalmic lens storage compartment comprises an alignment artifact for aligning a contact lens to receive disinfecting radiation emitted by one or both of the germicidal bulb and the light emitting diodes at an angle essentially orthogonal to a plane across a perimeter edge of the contact lens.

25. The base of claim 3 wherein the ophthalmic lens storage compartment comprises a storage case transparent to ultraviolet radiation and ultraviolet radiation emitted by the germicidal bulb is direct at an angle essentially orthogonal to a plane across one or both of a bottom and a top of the storage case.

26. The base of claim 1 wherein the ophthalmic lens storage compartment additionally comprises a magnet and the base additionally comprises a source of magnetic pulses, wherein the magnetic pulses vibrate the ophthalmic lens storage compartment.

CLAIMS

1. A base for receiving an ophthalmic lens storage case for storing one or more ophthalmic lenses, the base comprising:

a receptacle for receiving an ophthalmic lens storage case; and

one or more germicidal bulbs emitting disinfecting radiation in a direction which will intersect an ophthalmic lens storage compartment proximate to the ophthalmic lens storage case additionally comprising a reflective surface for reflecting disinfecting radiation towards ophthalmic lens storage compartment, wherein the reflective surface comprises one or more of: Teflon®, aluminum, magnesium oxide and zirconium oxide additionally comprising one or more light emitting diodes emitting ultraviolet radiation wherein the ophthalmic lens storage compartment comprises an alignment artifact for aligning a contact lens to receive disinfecting radiation emitted by one or both of the germicidal bulb and the light emitting diodes at an angle essentially orthogonal to a plane across a perimeter edge of the contact lens.

2. The base of claim 1 additionally comprising a mechanism for causing the one or more light emitting diodes to pulse ultraviolet radiation, wherein the pulsing mechanism comprises an electronic circuit.

3. The base of claim 2 wherein the pulsing mechanism causes the one or more light emitting diodes to generate a pattern of radiation across a surface of a lens stored in the storage compartment.

4. The base of claim 3 additionally comprising a processor executing software and wherein the generated pattern of radiation is based upon instructions included in the software.

5. The base of claim 4 wherein the light emitting diodes emit between about 50 microwatts and 5 watts of power.

6. The base of claim 5 wherein one or both of the germicidal bulb and the light emitting diodes emit radiation in a wavelength of between 250 nanometers and 280 nanometers.

7. The base of claim 1 wherein the disinfecting radiation emitted by one or both of the germicidal bulbs comprises a sufficient intensity and length of time of exposure to a storage compartment proximate to the base to kill an organism on an ophthalmic lens stored in the storage compartment.

8. The base of claim 1 additionally comprising a processor for controlling the generation of disinfecting radiation.

9. The base of claim 8 wherein a time period that a disinfecting radiation is provided by one or both of the germicidal bulb and the light emitting diodes is based upon a logical control signal generated by the processor.

10. The base of claim 8 wherein an intensity at which a disinfecting radiation is provided is based upon a logical control signal generated by the processor.

11. The base of claim 8 additionally comprising an audio component operative to provide an audio signal based upon operation of the source of disinfecting radiation.

12. The base of claim 8 additionally comprising a display for displaying a status of a disinfecting process based upon digital data transmitted by the processor.

13. The base of claim 9 additionally comprising a digital storage for storing information related to a disinfecting process.

14. The base of claim 1 additionally comprising a vibration generation device for providing mechanical movement to a storage case placed in the storage base.

15. The base of claim 14 wherein the vibration generation device comprises a piezoelectric mechanism.

16. The base of claim 15 wherein the piezoelectric mechanism is operated based upon a logical signal generated by a processor.

17. The base of claim 14 additionally comprising a universal serial bus connector for providing logical communication between one or both of: the processor and the digital storage; and personal processing device.

18. The base of claim 14 additionally comprising a universal serial bus connector for providing an electrical current for operating the storage base.

19. The base of claim 1 additionally comprising an electrical storage for storing power to operate the storage base.

20. The base of claim 19 wherein the electrical storage comprises one or more rechargeable batteries.

21. The base of claim 20 wherein the electrical storage comprises one or more lithium ion batteries.

22. The base of claim 1 wherein the ophthalmic lens storage compartment comprises a storage case transparent to ultraviolet radiation and ultraviolet radiation emitted by the germicidal bulb is direct at an angle essentially orthogonal to a plane across one or both of a bottom and a top of the storage case.

23. The base of claim 1 wherein the ophthalmic lens storage compartment additionally comprises a magnet and the base additionally comprises a source of magnetic pulses, wherein the magnetic pulses vibrate the ophthalmic lens storage compartment.