Claim

WHAT IS CLAIMED IS:

1. An apparatus for treating and/or preventing the retinal degeneration by irradiating a subject with light of a specific wavelength region.

2. The apparatus according to claim 1, wherein the apparatus irradiates light of a specific wavelength region continuously or at a blinking frequency.

3. The apparatus according to claim 1, comprising:

a controller which controls emission of light irradiated.

4. The apparatus according to claim 3, wherein the controller, by transceiving to and from an isolated controller such as a portable terminal, carries out control by changing at least any one irradiation condition selected from a group of irradiation conditions consisting of blinking frequency of the light of a specific wavelength region, irradiance, irradiation time, irradiation-start time, and irradiation-end time.

5. The apparatus according to claim 1, comprising:

a light source; and

a driving circuit which drives the light source.

6. The apparatus according to claim 5, wherein the driving circuit includes at least one processor which is communicably connected to the light source and at least one memory, and at least one memory for storing commands executable by the processor.

7. The apparatus according to claim 1, wherein the retinal degeneration is either age-related macular degeneration or hereditary retinal degeneration.

8. The apparatus according to claim 7, wherein the apparatus treats and/or prevents the age-related macular degeneration which is either an exudative age-related macular degeneration or an atrophic age-related macular degeneration.

9. The apparatus according to claim 7, wherein the age-related macular degeneration is associated with at least one symptom selected from a group consisting of low vision, metamorphopsia, central scotoma, and complete loss of vision.

10. The apparatus according to claim 7, wherein an element of the age-related macular degeneration is at least one selected from a group consisting of neovascular volume, amount of subretinal fluid, amount of intraretinal edema, geographic atrophy range, and range of photoreceptor cell layer loss.

11. The apparatus according to claim 1, wherein the specific wavelength region includes a wavelength range of 360 nm to 400 nm.

12. The apparatus according to claim 2, wherein the blinking frequency is in a range of 30 Hz to 70 Hz.

13. The apparatus according to claim 1, wherein the light is irradiated during daytime.

14. The apparatus according to claim 1, wherein the light is irradiated for one hour or more.

15. The apparatus according to claim 1, wherein the light is irradiated such that an irradiance of light incident on eyes of a subject is in a range of 0.5 μW/cm^2 to 1000 μW/cm^2.