

direct UV radiation to the first UV filter (10,310,510,610) of the first section, the first UV filter of the first section thereby forming a radiation window for the UV radiation reflected within the radiation spectrum control means from the source (9) while separating UV radiation from the IR filters, and thereby preventing aging effects of the IR filters when subjected to UV radiation.

2. System according to claim 1, wherein the number of sections is an even number, surrounding the radiation source (9);

and wherein a plurality of UV filters (10,310,410,510) and first mirror-filter combinations (11,311,411,511) are provided, each section, alternatingly, including a UV filter and a first mirror-filter combination.

3. System according to claim 2, wherein the second mirror-filter combination (14,314,414,514) has an end or edge portion located at every second junction between the UV filter (10,310,510) and the first mirror-filter combination (11,311,511), and extends at an angle with respect to the adjacent UV filter dimensioned to place the respective UV filter entirely in the optical shadow of the second mirror-filter combination.

4. System according to claim 3, wherein the sections are located to form, in plan view, a polygon.

5. System according to claim 3, wherein (FIG. 2) the sections are located to form, in plan view, a square, each side of the square including one UV filter (10) and a first mirror-filter combination (11) forming a side of the square, the square surrounding the radiation source.

6. System according to claim 5, wherein the second mirror-filter combination (14) and the outer UV filter (10) include an angle of between 45° and 80°.

7. System according to claim 6, wherein the angle is between 60° and 70°.

8. System according to claim 6, wherein the angle is about 55°.

9. System according to claim 5, wherein each side of the square includes a UV filter (310) and a first mirror-filter combination (311).

10. System according to claim 2, wherein (FIG. 3) the UV filter and the first mirror-filter combination (311), in plan view, form a triangle surrounding the radiation source (9), and wherein one side of the triangle, each, includes alternatingly, a UV filter (10) and a first mirror-filter combination (311).

11. System according to claim 10, wherein each lateral side of the triangle includes a UV filter (310) and a first filter-mirror combination (311).

12. System according to claim 2, wherein (FIG. 4) the second mirror-filter combination (414) comprises two portions (25,26) which are positioned in V-form with respect to each other, the apex (24) of the V-form second mirror-filter combination (414) being located in a median range of the UV filter (10);

and wherein the lengths of the respective portions (25,26) of the second mirror-filter combination (414) are dimensioned to place the respective UV filter (10) entirely within the optical shadow of the second mirror-filter combination (414) with respect to radiation emitted from said radiation source (9).

13. System according to claim 1, wherein (FIGS. 5,6) the UV filter (510,610) and the first mirror-filter combination (514,614) are cylindrical and cylindrically surround the radiation source (9).

14. System according to claim 13, wherein (FIG. 5) a plurality of alternatingly, adjacently located UV filters (510) and first mirror-filter combinations (514) are provided, each forming a part-cylindrical surface of said radiation spectrum control means.

15. System according to claim 14, wherein the second mirror-filter combination (514) has an end or edge portion located at every second junction between the UV filter (510) and the first mirror-filter combination (511), and extends at an angle with respect to the adjacent UV filter dimensioned to place the respective UV filter entirely in the optical shadow of the second mirror-filter combination.

16. System according to claim 13, wherein (FIG. 6) the UV filter, in plan view, is a semi-circular filter and, defining a semi-cylindrical filter element, and the first mirror-filter combination, in plan view, is semi-circular and defines a semi-cylindrical element (614),

said two semi-cylindric elements being joined to form one essentially cylindrical surface, cylindrically surrounding the radiation source (9).

17. System according to claim 16, wherein the second mirror-filter combination (614) is essentially, in plan view, semi-cylindrical;

and wherein the outer UV mirror (616) of the second mirror-filter combination (614) comprises two separated mirror elements located adjacent the circular end regions of the half-cylinder formed by the second mirror-cylinder combination.

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