

[54] **ULTRAVIOLET TESTING APPARATUS WITH SELECTIVE MIRRORS FOR REMOVING INFRARED RADIATION** 2,987,914 6/1961 Gunther73/150
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[57] ABSTRACT

A water cooled tube has radial fins that extend to the surface of a surrounding cylindrical mirror that passes ultraviolet radiation and visible light while reflecting infrared radiation. Planar mirrors that reflect ultraviolet and visible light and pass infrared are disposed between the extremities of the fins to form a polygon within the cylinder. Light sources are disposed in each area between a planar mirror and the cylindrical mirror. Ultraviolet radiation and visible light are thus directly passed or reflected through the cylindrical mirror to an external test sample chamber, while infrared radiation is directly passed or reflected through the planar mirrors to the fins, which absorb the infrared radiation and conduct the heat therefrom to the cooling tube.

5 Claims, 2 Drawing Figures

