

[54] **INTEGRATING SPHERE TYPE STANDARD LIGHT SOURCE DEVICE**

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[56] **References Cited**

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[57] **ABSTRACT**

An integrating sphere type standard light source has a spherical shell the inner surface of which is coated with a white coating having a high reflectivity. The shell has a light source aperture in the top thereof, a viewing aperture in the side thereof and a specimen exposure aperture in the bottom thereof. A light source is mounted in the light source aperture and depends into said shell and includes a source of light and a light shielding plate between the source of light and the remainder of the interior of the shell, the light shielding plate also being coated with a white coating having a high reflectivity. A specimen supporting plate is positioned beneath the specimen exposure aperture and is normally positioned for supporting a specimen at the bottommost point of an imaginary spherical surface which is an extension of the internal surface of the shell into the specimen exposure aperture. A specimen supporting plate is mounted for movement into and out of the normal position thereof for placing a specimen to be observed on the specimen supporting plate.

**7 Claims, 6 Drawing Figures**

