

- [54] **REFLECTANCE MEASURING INSTRUMENT WITH INTEGRATING SPHERE**
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- [52] **U.S. Cl.** 356/323; 250/228; 356/236; 356/447; 356/448
- [58] **Field of Search** 356/319, 323-325, 356/326, 331-334, 408, 433, 434, 445-448, 236; 250/227, 228; 350/96.2, 96.21

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[57] **ABSTRACT**

In a reflectance measuring instrument, an integrating sphere is provided to illuminate the sample of which the reflectance is to be measured. A first fiber optic cable is provided to receive a light beam reflected by the sample and a second fiber optic cable is positioned to receive a light beam reflected from the wall of the integrating sphere. The transmitting ends of the fiber optic cables are mounted in a pivoted plate to selectively position the transmitting ends to emit light into the entrance slit of a monochromator.

15 Claims, 3 Drawing Figures

