

- [54] **LIGHT PIPE FOR ILLUMINATING THE INTERIOR OF A PRESSURE VESSEL**
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- [52] **U.S. Cl.** 350/96.10; 350/96.18; 350/96.20; 362/32; 362/457; 220/3
- [58] **Field of Search** 350/96.10, 96.18, 96.20, 350/96.26, 96.29; 362/32, 457; 220/3

4,681,086	7/1987	Van Patten	350/96.10
4,711,524	12/1987	Morey et al.	350/96.25

FOREIGN PATENT DOCUMENTS

53-143343	12/1978	Japan	350/96.20
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- [56] **References Cited**
- U.S. PATENT DOCUMENTS**
- | | | | | |
|-----------|---------|---------------|-------|-------------|
| 3,446,952 | 5/1969 | Sitter et al. | | 362/32 |
| 3,582,637 | 6/1971 | Cecil, Jr. | | 350/96.22 |
| 3,813,514 | 5/1974 | Canty | | 350/96.20 X |
| 3,990,778 | 11/1976 | Magee et al. | | 350/96.25 X |
| 4,273,109 | 6/1981 | Enderby | | 350/96.26 X |
| 4,509,104 | 4/1985 | Suzuki et al. | | 362/32 |
| 4,669,818 | 6/1987 | Myer | | 350/96.20 |

[57] **ABSTRACT**

A light pipe unit for supplying illumination to the interior of a vessel that has an attachment means for connection to the vessel. The light pipe unit is constructed of a metallic housing having an elongated fiber optic rod contained therein. At the bottom portions of the rod and housing, that is the portions extending into the vessel, is a glass laminate. The glass laminate covering forms a substantially corrosion-proof seal across the entire distal or lower portion of the unit.

9 Claims, 1 Drawing Sheet

