

United States Patent [19]**Bodenheimer et al.**[11] **Patent Number:** **4,516,018**[45] **Date of Patent:** **May 7, 1985**[54] **SOLAR SENSING ARRANGEMENT FOR USE
IN A UNIAXIS SOLAR COLLECTOR
TRACKING SYSTEM**[75] **Inventors:** **Joseph S. Bodenheimer; Naphtali
Eisenberg, both of Jerusalem, Israel**[73] **Assignee:** **Luz International Ltd., Los Angeles,
Calif.**[21] **Appl. No.:** **328,183**[22] **Filed:** **Dec. 7, 1981**[30] **Foreign Application Priority Data**

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126/425**[58] **Field of Search** **126/424, 425;
250/203 R; 350/433, 434; 353/3; 356/141, 152**

[56]

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4,367,403 1/1983 Miller 250/203 R**FOREIGN PATENT DOCUMENTS**

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[57]

ABSTRACT

A sensor for use in aligning a solar collector system wherein the sensor includes a radiation detector providing signals responsive to impinging radiation and means for focusing the radiation into an astigmatic image positioned on the detector when the system is misaligned.

10 Claims, 6 Drawing Figures