US007612284B2

(12) **United States Patent**
Rogers et al.

(10) **Patent No.: US 7,612,284 B2**
(45) **Date of Patent: Nov. 3, 2009**

(54) **SPACE-BASED POWER SYSTEM**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 304 days.

(21) Appl. No.: **11/212,824**

(22) Filed: **Aug. 25, 2005**

(65) **Prior Publication Data**

US 2006/0185726 A1 Aug. 24, 2006

Related U.S. Application Data

(63) Continuation of application No. 10/724,310, filed on Nov. 26, 2003, now Pat. No. 6,936,760.

(60) Provisional application No. 60/428,928, filed on Nov. 26, 2002.

(51) **Int. Cl.**
H01L 31/042 (2006.01)

(52) **U.S. Cl.** **136/246**; 136/292

(58) **Field of Classification Search** 244/1; 322/2, 21; 342/356; 455/12.1
See application file for complete search history.

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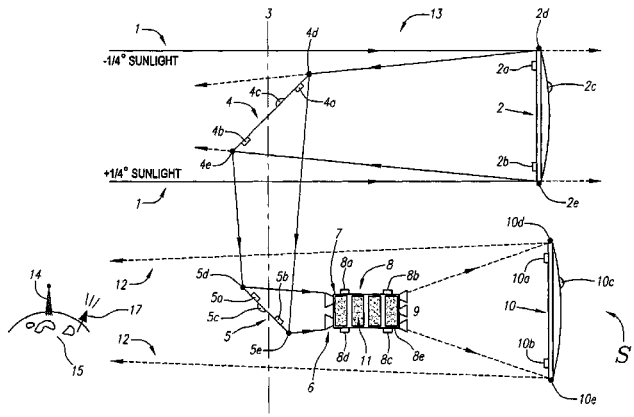
(57) **ABSTRACT**

A space-based power system. The system maintains proper positioning and alignment of system components without using connecting structures. Power system elements are launched into orbit, and the free-floating power system elements are maintained in proper relative alignment, e.g., position, orientation, and shape, using a control system.

25 Claims, 18 Drawing Sheets