

SOLAR POWER PANEL FAILURE DETECTION AND SEARCHING SYSTEM

ABSTRACT

5 Problem

To provide a solar power panel failure search and detect system having a search unit installed in a remotely controllable aerial vehicle and capable of always maintaining distance between a solar panel and detection means constant and always maintaining an angle of failure detection means at an optimum angle.

10 Solution

A structure for searching and detecting malfunction or failure sites of a solar power panel in a state with a constant angle maintained by a solar power panel failure search and detect system is configured by installing a search unit in an aerial vehicle, providing a control unit comprising control means for controlling flight path and flight angle and control means for controlling / regulating angle of detection means, as well as receiver means and analysis means, along with a search unit comprising an angle sensor, detection means, adjustment means of the analysis means / detection means and imaging means, and search result data transmission means.

20 [Fig. 1]