United States Patent [19]

Wyatt et al.

[11] **Patent Number: 4,554,543**

[45] **Date of Patent: Nov. 19, 1985**

[54] **GLIDE SLOPE INDICATOR SYSTEM**

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[21] Appl. No.: **473,392**

[22] Filed: **Mar. 8, 1983**

[51] **Int. Cl.**[4] **G08C 5/00**

[52] **U.S. Cl.** ..... **340/948**; 73/178 T; 244/183; 340/951; 340/953; 340/972

[58] **Field of Search** ..... 340/945, 947, 948, 951, 340/952, 953, 954, 956, 972, 981; 73/178 T; 244/175, 183; 350/433; 250/350; 455/611, 617

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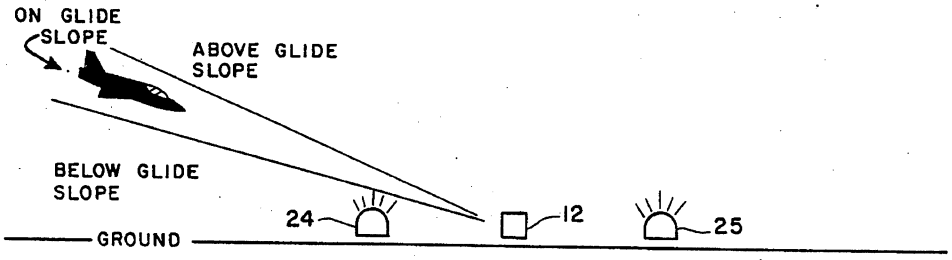
[57] **ABSTRACT**

A glide slope indicator system in which light from an incoming aircraft's landing light is shaped by spherical/cylindrical lens combination into a line image which strikes a linear photodiode array. By determining which photodiode in the array the center of the line image strikes, the glide slope angle can be determined. An appropriate signal is communicated to the pilot via a pair of indicator lights mounted on the runway depending upon whether the aircraft is above, below or on the desired glide slope angle.

6 Claims, 6 Drawing Figures