United States Patent [19]

Claytor et al.

[11] **Patent Number: Des. 315,806**

[45] **Date of Patent: ** Mar. 26, 1991**

[54] **DENSE WIDE ANGLE FRESNEL LENS ARRAY FOR INFRARED MOTION DETECTOR**

[75] Inventors: **Richard N. Claytor**, Arlington; **Russell G. Torti**, Fort Worth, both of Tex.

[73] Assignee: **Fresnel Technologies, Inc.**, Ft. Worth, Tex.

[*] Notice: The portion of the term of this patent subsequent to Mar. 12, 2005 has been disclaimed.

[**] Term: **14 Years**

[21] Appl. No.: **316,434**

[22] Filed: **Feb. 27, 1989**

[52] **U.S. Cl.** **D26/122;** D10/121

[58] **Field of Search** D10/121; D26/118, 120, D26/121, 122, 123, 128–137; 362/319, 326–340; 350/432–436, 452, 167, 162.11, 162.18

[56] **References Cited**

U.S. PATENT DOCUMENTS

1,399.749	12/1921	Conklin	362/339 X
1,970,358	8/1934	Bull et al.	350/452 X
3,463,118	8/1969	Wood	350/162.18 X
3,708,222	1/1973	Stern	350/452 X
3,883,733	5/1975	Nagel	362/334
4,772,094	9/1988	Sheiman	350/452 X

FOREIGN PATENT DOCUMENTS

968412	2/1958	Fed. Rep. of Germany	362/225
2173013A	10/1986	United Kingdom	350/452

Primary Examiner—Susan J. Lucas
Attorney, Agent, or Firm—James E. Bradley

[57] **CLAIM**

The ornamental design for a dense wide angle fresnel lens array for infrared motion detector, as shown and described.

DESCRIPTION

The single FIGURE is a front elevational view of a dense wide angle fresnel lens array for infrared motion detector showing our new design, the lens array being a flat, rectangular, thin sheet having a front surface with grooves thereon and a plain, smooth, rear surface with no ornamentation.