



US00D413329S

# United States Patent [19]

Lin et al.

[11] **Patent Number: Des. 413,329**

[45] **Date of Patent: \*\* Aug. 31, 1999**

[54] **MICROWAVE ANTENNA**

[75] Inventors: **Chao-Ting Lin**, Kao Hsiung; **Sheng Hsiung Lin**, Pin Tung Hsien, both of Taiwan

[73] Assignee: **Lite-On Automotive Corporation**, Kao Hsiung, Taiwan

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

[21] Appl. No.: **29/100,023**

[22] Filed: **Feb. 2, 1999**

[51] **LOC (6) Cl. .... 14-03**

[52] **U.S. Cl. .... D14/230**

[58] **Field of Search .... D14/230-238; 343/700 MS, 795, 985**

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

D. 339,352	9/1993	Giles et al. ....	D14/232
4,079,268	3/1978	Fletcher et al. ....	343/700 MS
4,823,145	4/1989	Mayes et al. ....	343/700 MS
5,353,035	10/1994	Del Castillo Cuervo-Arrango et al. ....	343/700 MS
5,714,961	2/1998	Kot et al. ....	343/700 MS

**FOREIGN PATENT DOCUMENTS**

1260559 2/1968 Germany ..... 343/985

**OTHER PUBLICATIONS**

Antenna Engineering Handbook, Jasik, ed. p. 18-7, Fig. 18-3; "Equiangular Antennas", Oct. 1961.

*Primary Examiner*—Louis S. Zarfes

*Assistant Examiner*—G. Andoll

*Attorney, Agent, or Firm*—Rosenberg, Klein & Bilker

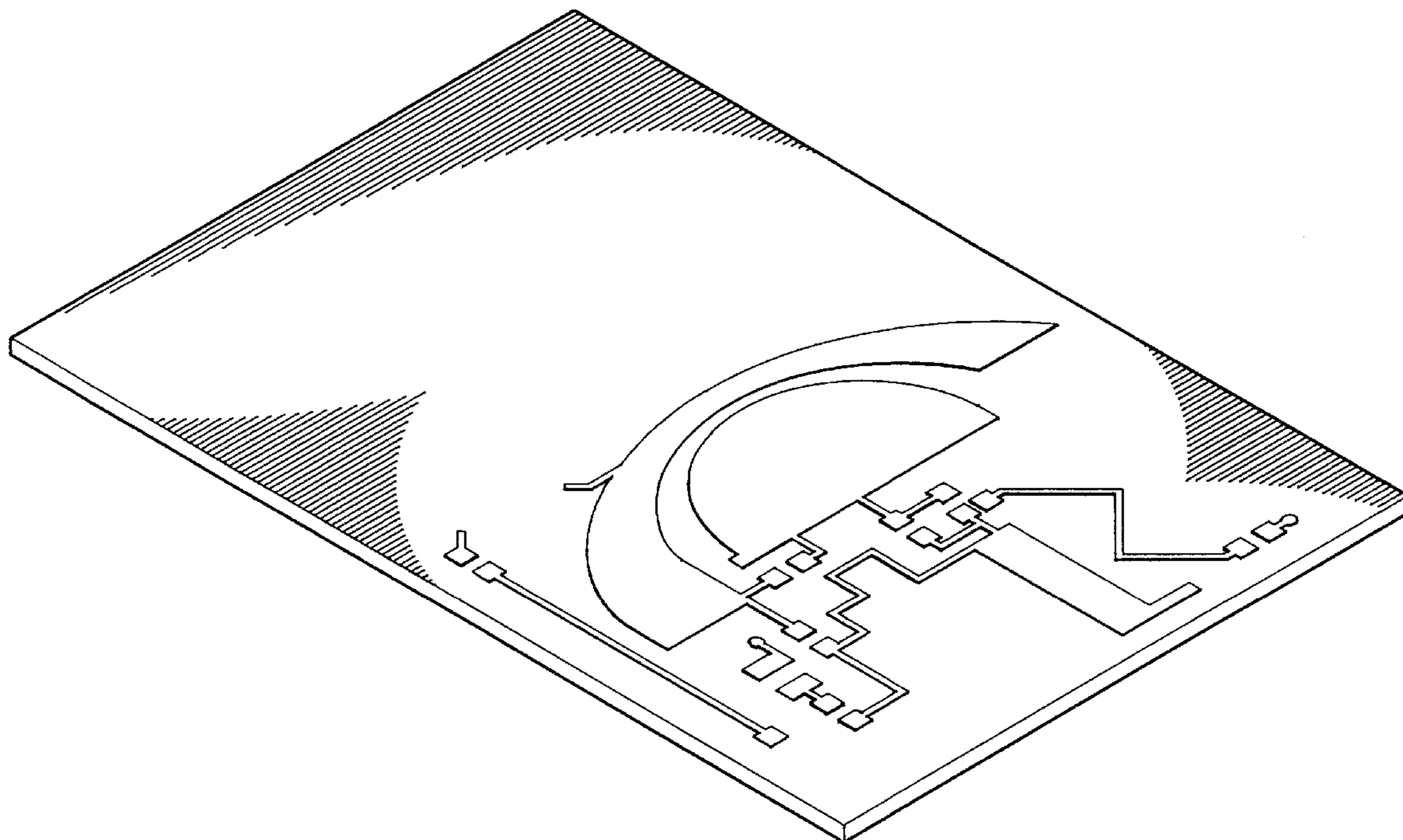
[57] **CLAIM**

The ornamental design for a microwave antenna, as shown and described.

**DESCRIPTION**

FIG. 1 is the perspective view of a microwave antenna showing my new design;  
 FIG. 2 is the front elevational view thereof;  
 FIG. 3 is the rear elevational view thereof;  
 FIG. 4 is the left side elevational view thereof;  
 FIG. 5 is the right side elevational view thereof;  
 FIG. 6 is the top plan view thereof; and,  
 FIG. 7 is the bottom plan view thereof.

**1 Claim, 4 Drawing Sheets**



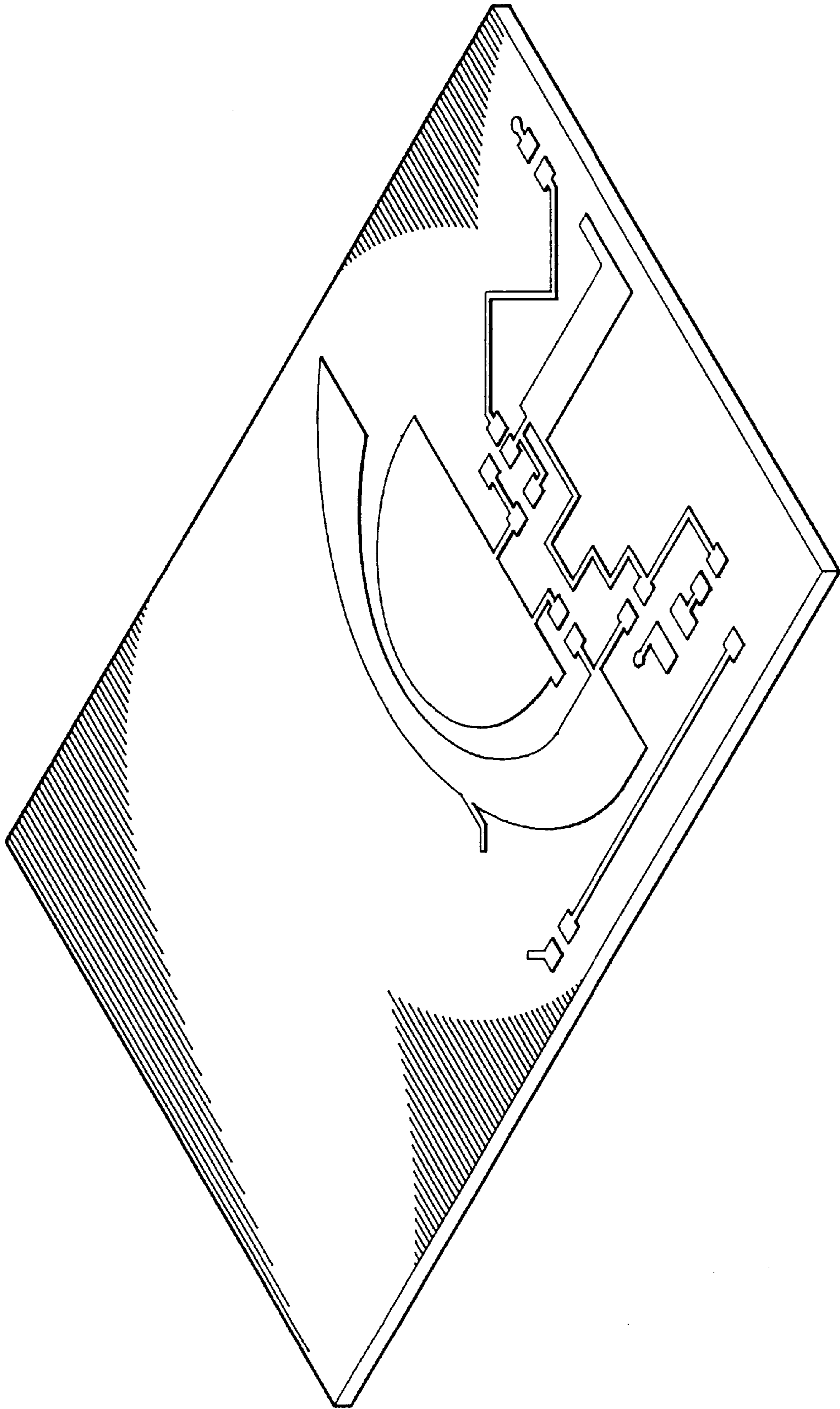


FIG. 1



FIG. 2



FIG. 3



FIG. 4



FIG. 5

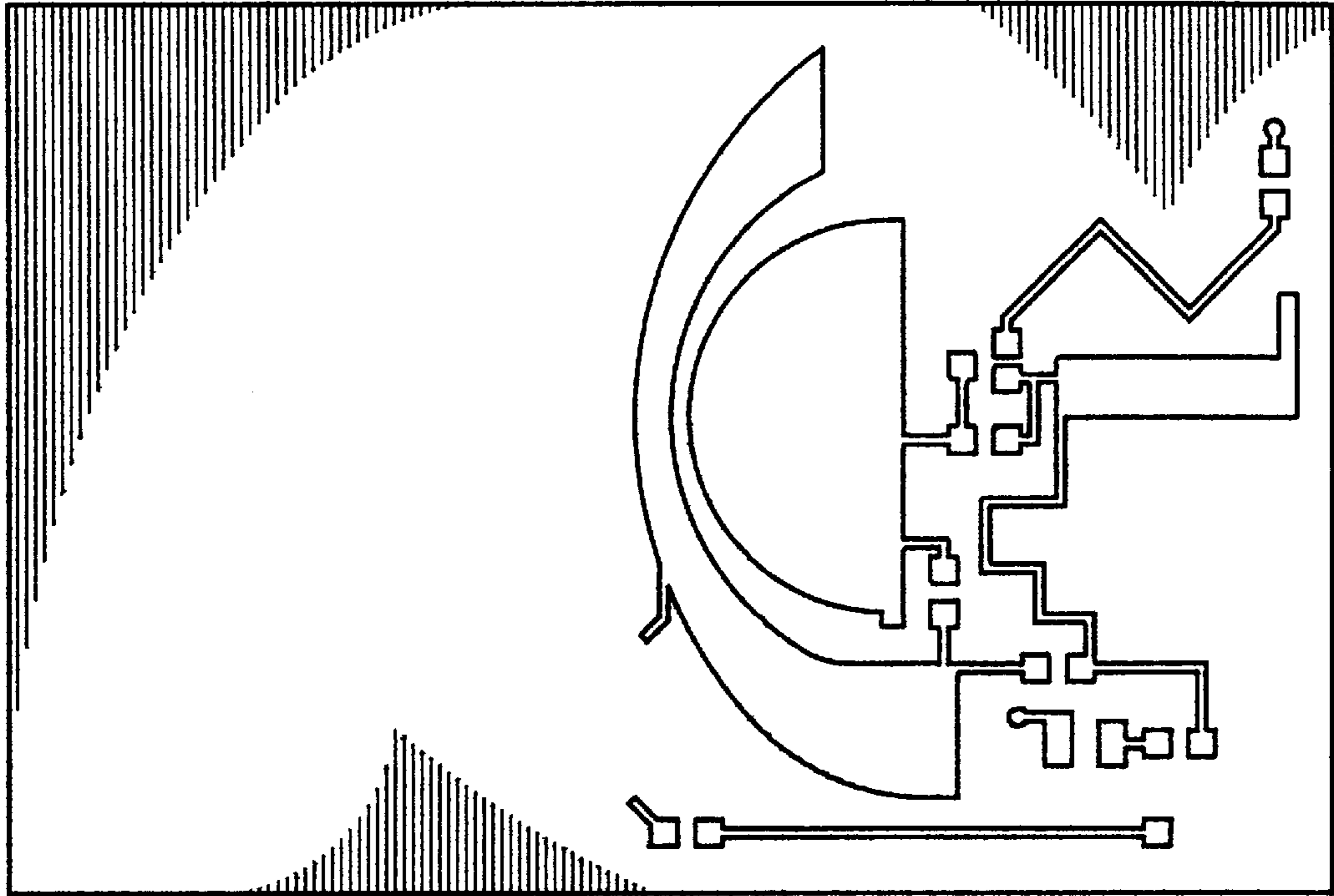


FIG. 6

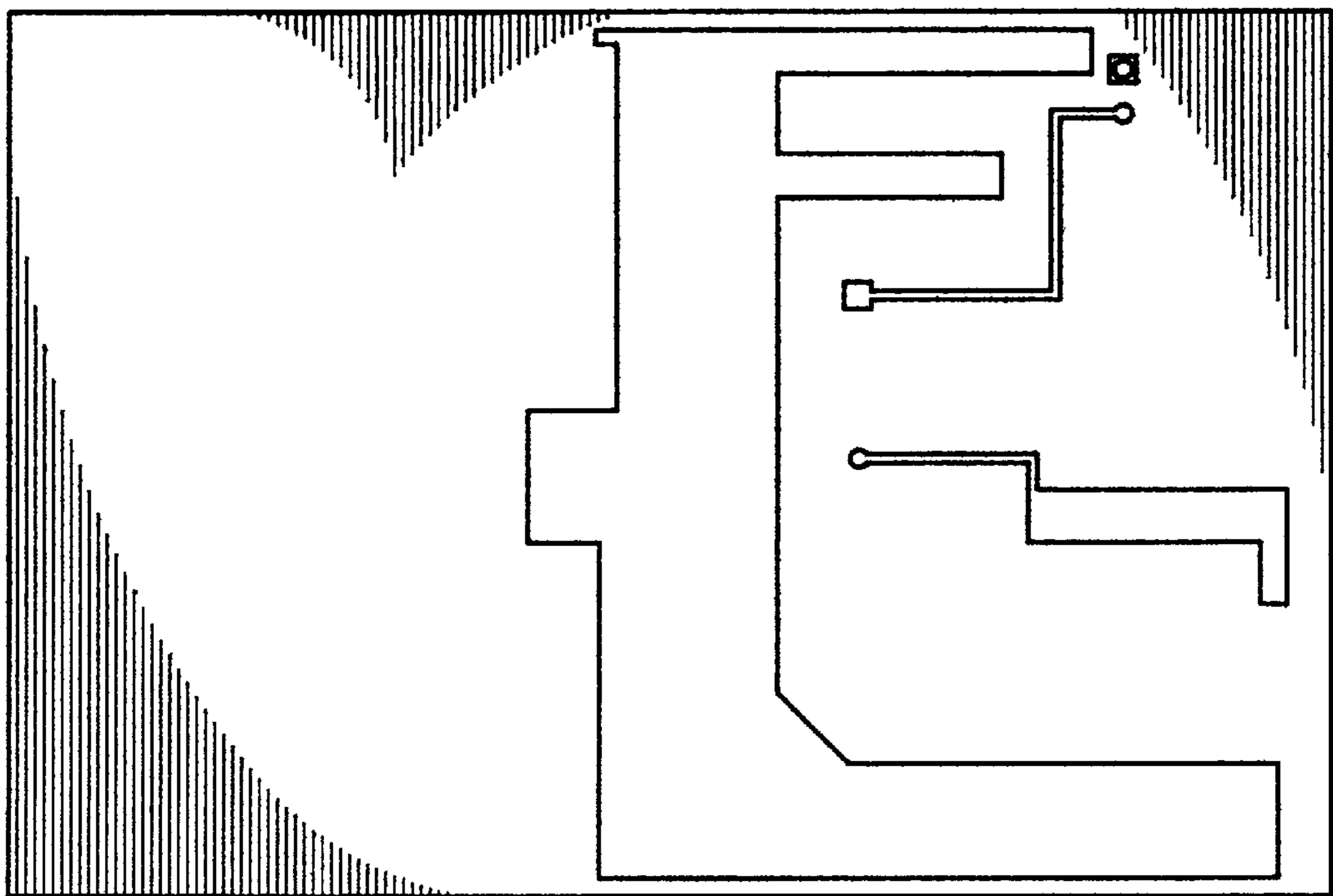


FIG. 7