



US00D423532S

United States Patent [19]

[11] **Patent Number: Des. 423,532**

Yamasaki et al.

[45] **Date of Patent: ** Apr. 25, 2000**

[54] **SOLDER COLUMN INTERPOSER**

Primary Examiner—Antoine Duval Davis
Attorney, Agent, or Firm—Brinks Hofer Gilson & Lione

[75] Inventors: **Kozo Yamasaki**, Gifu; **Hajime Saiki**,
Aichi, both of Japan

[57] **CLAIM**

[73] Assignee: **NGK Spark Plug Co., Ltd.**, Japan

The ornamental design for a solder column interposer, as shown.

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

DESCRIPTION

[21] Appl. No.: **29/095,362**

FIG. 1 is a top, plan view of a solder column interposer according to the present design.

[22] Filed: **Oct. 21, 1998**

FIG. 2 is a front, elevational view of a solder column interposer according to the present design.

[51] **LOC (6) Cl.** **15-99**

FIG. 3 is a rear, elevational view of a solder column interposer according to the present design.

[52] **U.S. Cl.** **D15/199**

FIG. 4 is a right side, elevational view of a solder column interposer according to the present design.

[58] **Field of Search** D10/46; D15/122,
D15/199; 200/5 A, 246, 283, 516

FIG. 5 is a left side, elevational view of a solder column interposer according to the present design; and,

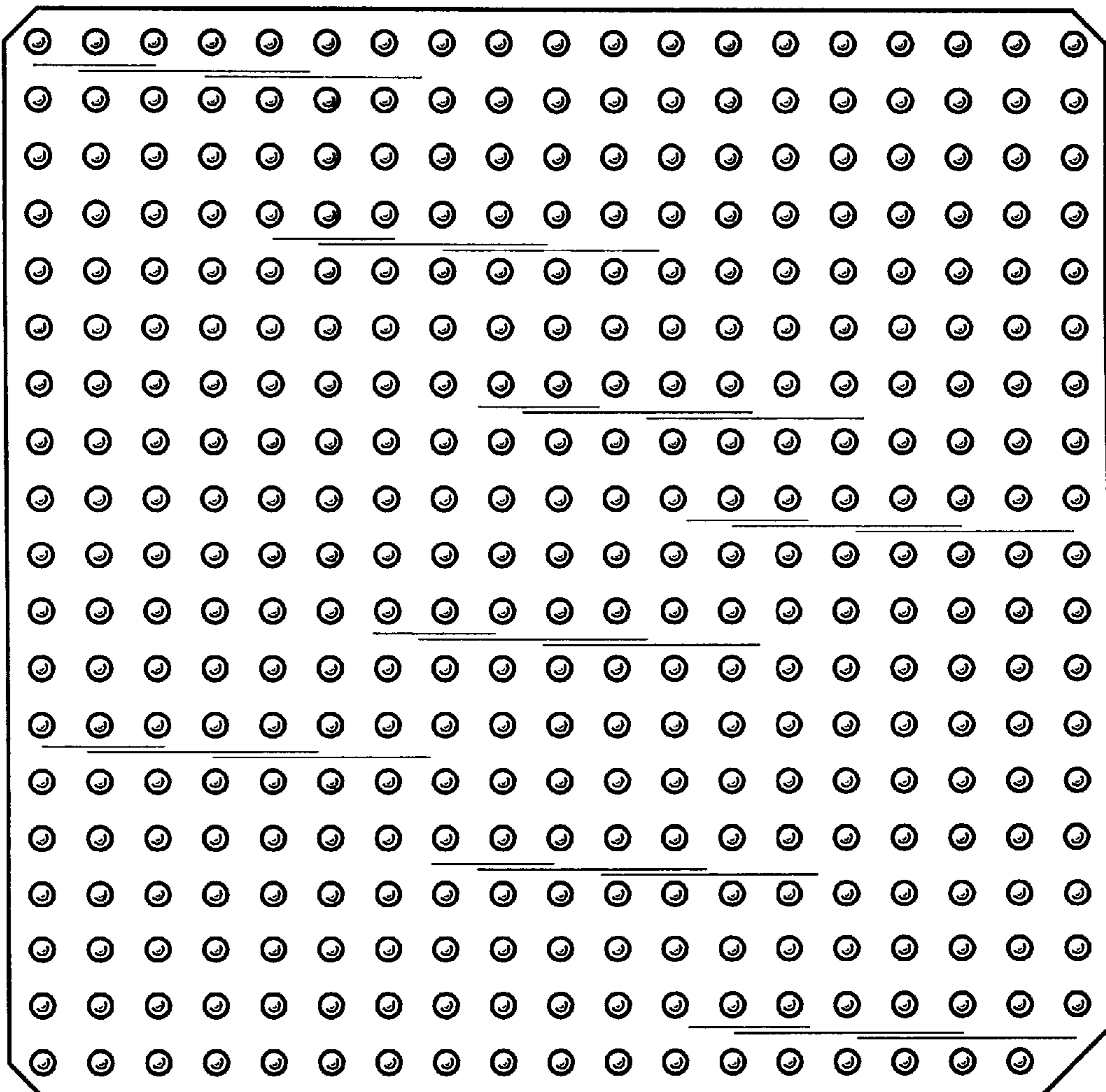
[56] **References Cited**

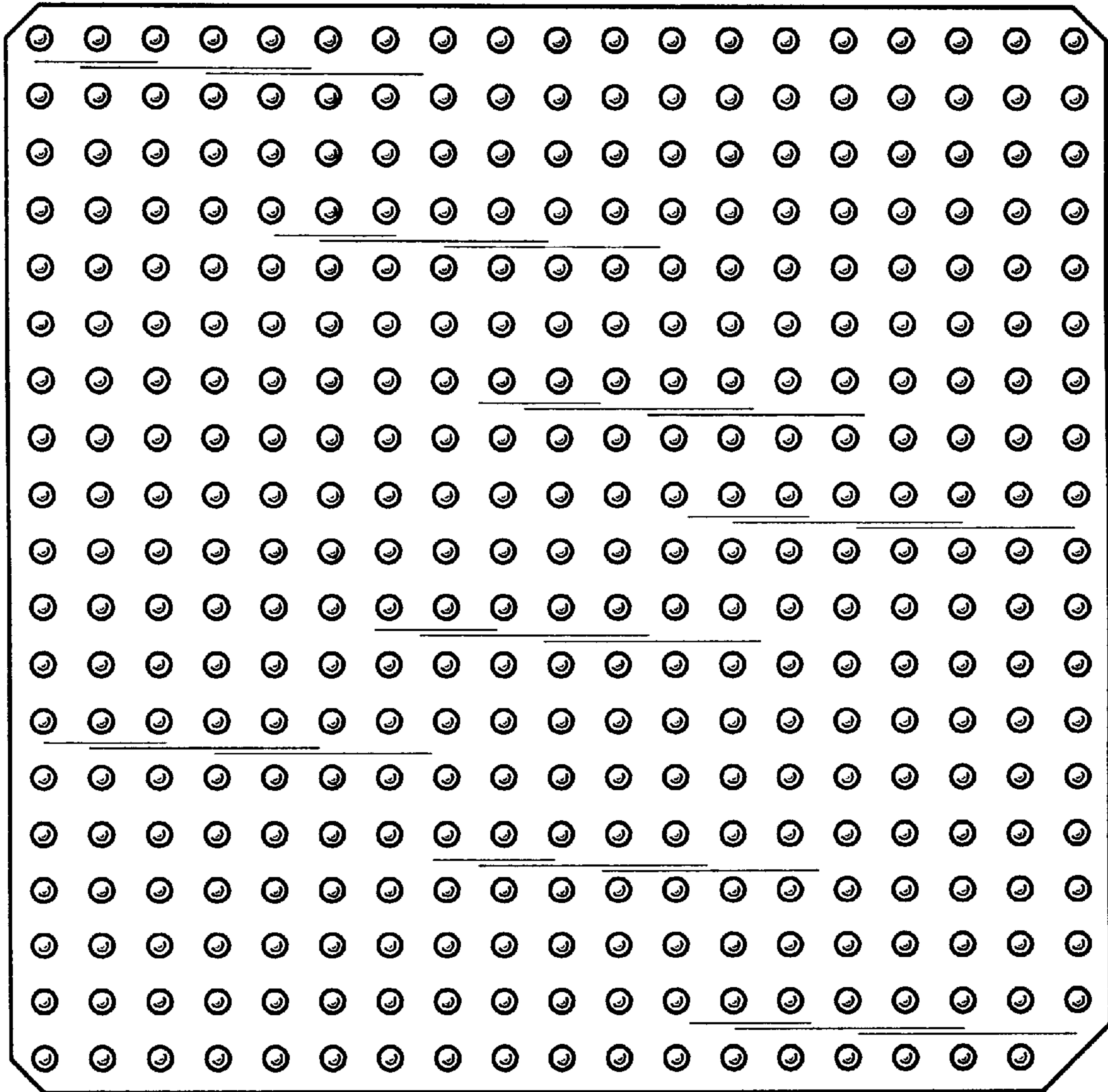
FIG. 6 is a bottom, plan view of a solder column interposer according to the present design.

U.S. PATENT DOCUMENTS

3,971,902	7/1976	Wulf et al.	200/5 A
4,950,874	8/1990	Damitio et al.	200/5 A
5,847,336	12/1998	Thornton	200/5 A

1 Claim, 3 Drawing Sheets

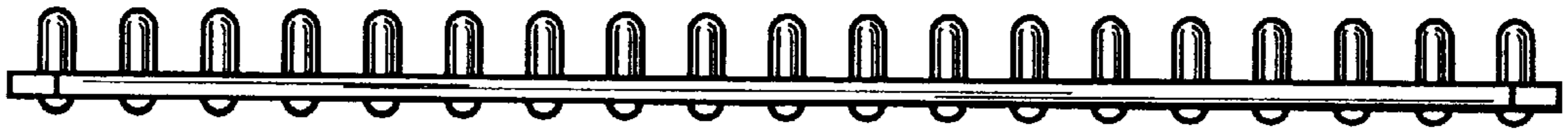




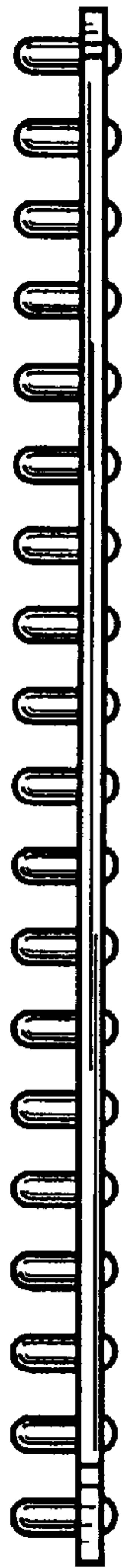
— FIG. 1



— FIG. 2



— FIG. 3



— FIG. 4



— FIG. 5

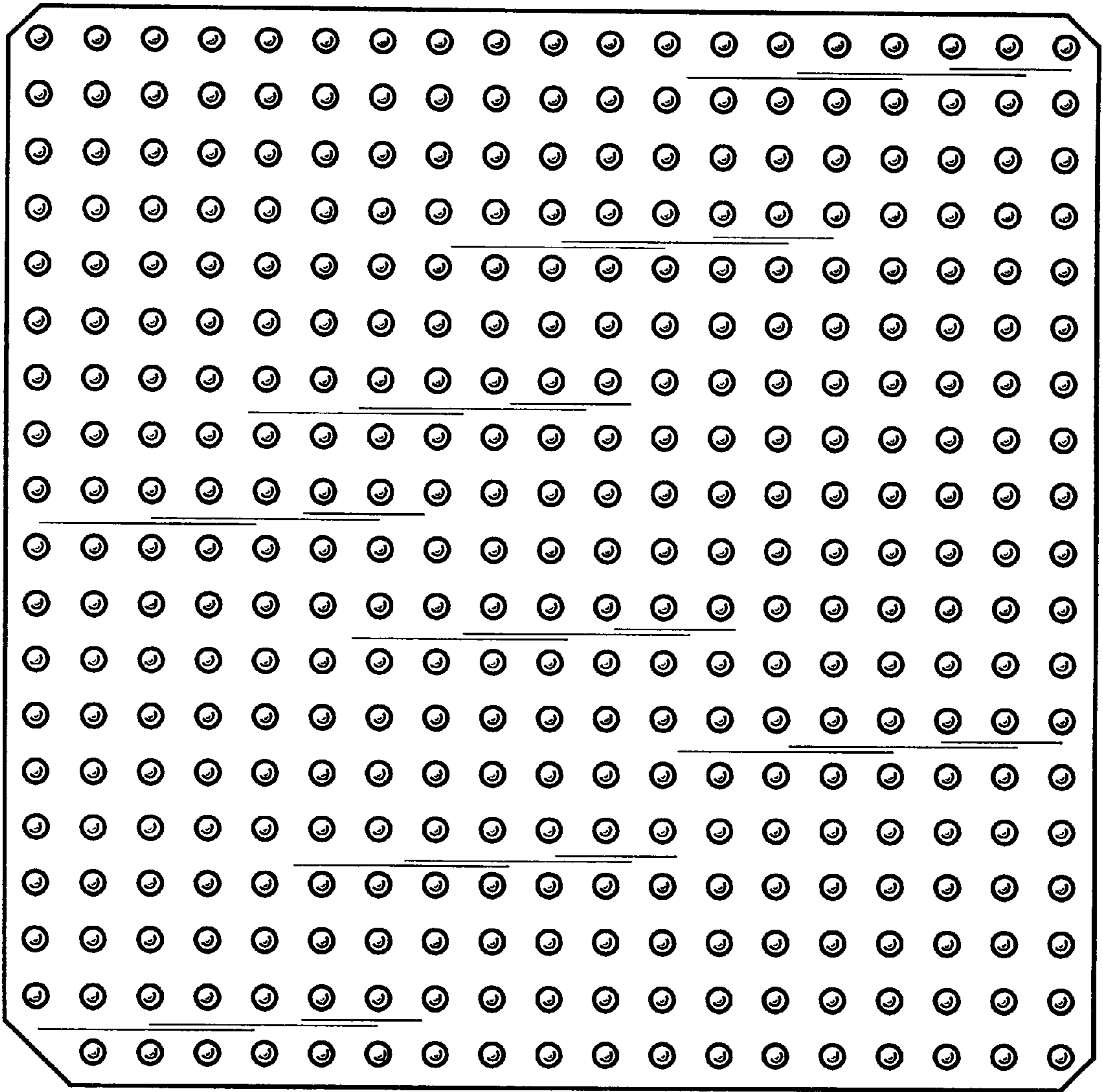


FIG. 6