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(12) **United States Design Patent**
Harnden et al.

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(54) **QUAD-28JW SURFACE MOUNT PACKAGE**

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(*) Notice: This patent is subject to a terminal disclaimer.

(**) Term: **14 Years**

(21) Appl. No.: **29/240,406**

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(51) **LOC (8) Cl.** **13-03**

(52) **U.S. Cl.** **D13/182**

(58) **Field of Classification Search** D13/182;
257/666, 669, 676, 678, 690, 696; 324/755
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D317,592 S *	6/1991	Yoshizawa	.....	D13/182
5,742,169 A *	4/1998	Akram et al.	.....	324/755
D402,638 S *	12/1998	Farnworth et al.	.....	D13/182
5,949,241 A *	9/1999	Akram et al.	.....	324/755
D428,859 S *	8/2000	Kawafuji et al.	.....	D13/182
6,222,379 B1 *	4/2001	Farnworth et al.	.....	324/755

D441,727 S *	5/2001	Sekimoto	.....	D13/182
D461,170 S *	8/2002	Williams et al.	.....	D13/182
D461,172 S *	8/2002	Harnden et al.	.....	D13/182
D462,062 S *	8/2002	Williams et al.	.....	D13/182
D467,231 S *	12/2002	Harnden et al.	.....	D13/182
D467,560 S *	12/2002	Harnden et al.	.....	D13/182
D467,884 S *	12/2002	Williams et al.	.....	D13/182
D467,885 S *	12/2002	Harnden et al.	D13/182
7,057,273 B2 *	6/2006	Harnden et al.	257/696

* cited by examiner

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(57) **CLAIM**

The ornamental design for quad-28JW surface mount package, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a quad-28JW surface mount package showing my new design;

FIG. 2 is a top plan view thereof;

FIG. 3 is a bottom plan view thereof;

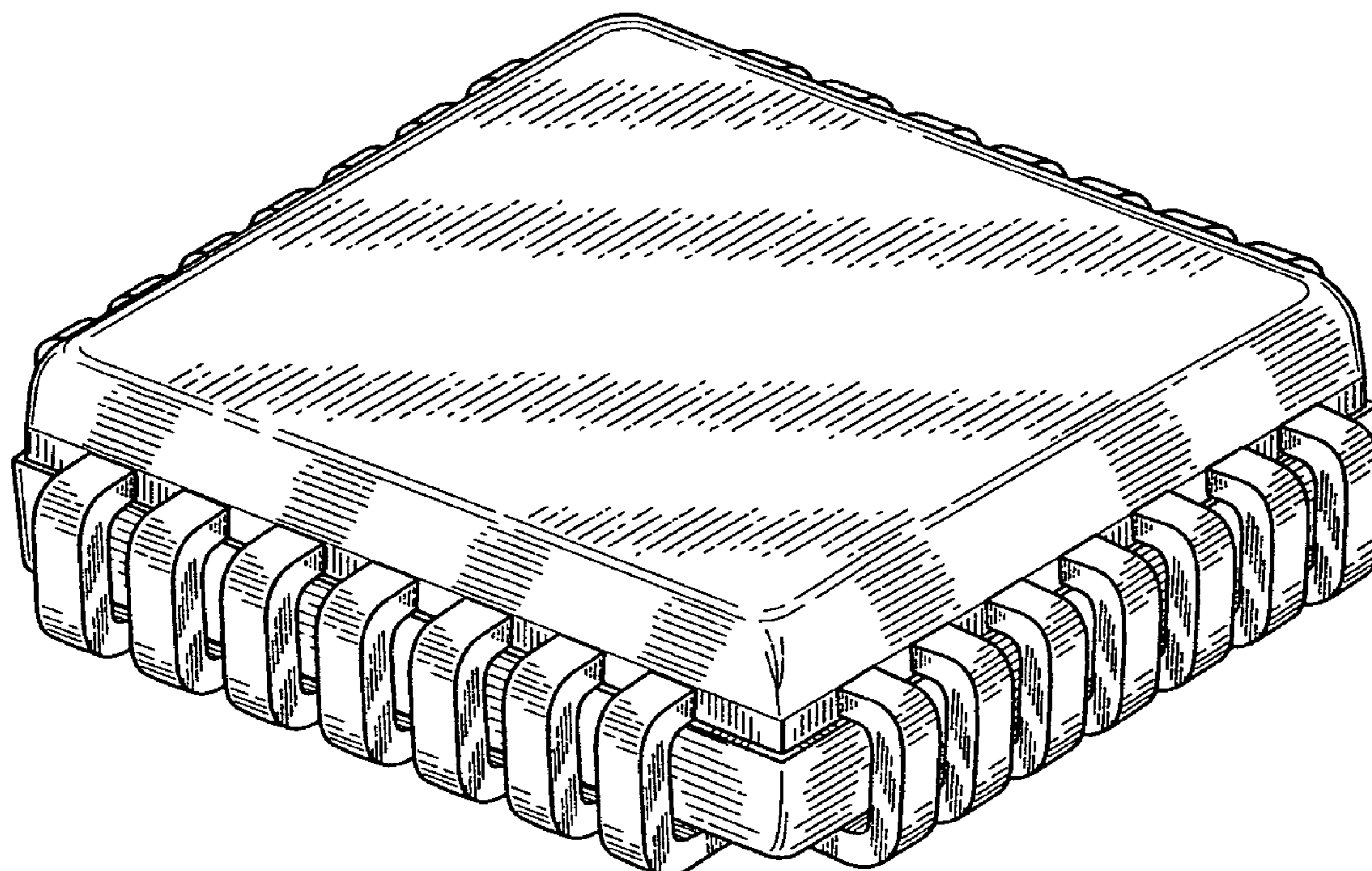
FIG. 4 is a front elevational view thereof;

FIG. 5 is a rear elevational view thereof;

FIG. 6 is a left side elevational view thereof; and,

FIG. 7 is a right side elevational view thereof.

1 Claim, 4 Drawing Sheets



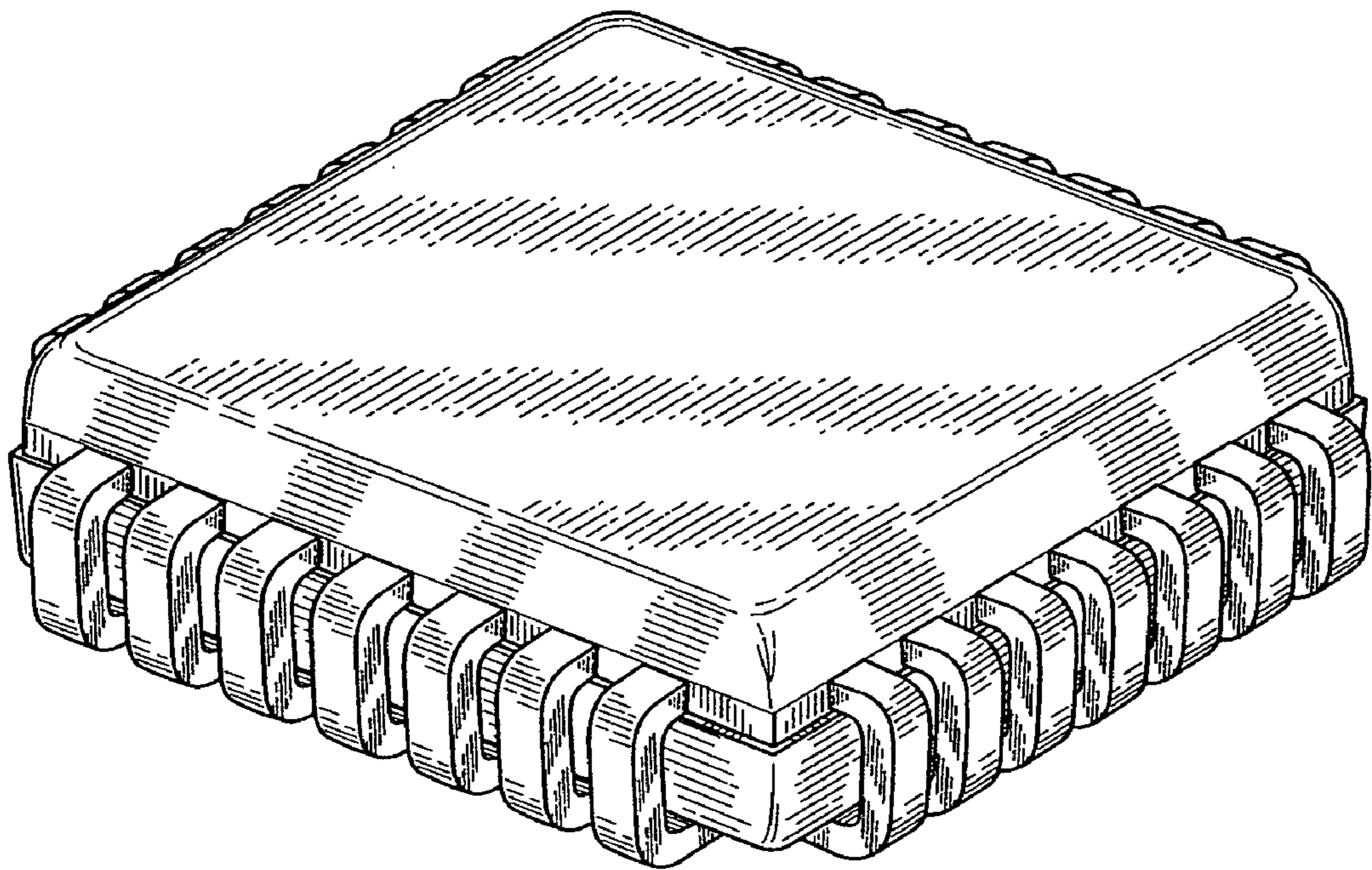


FIG. 1

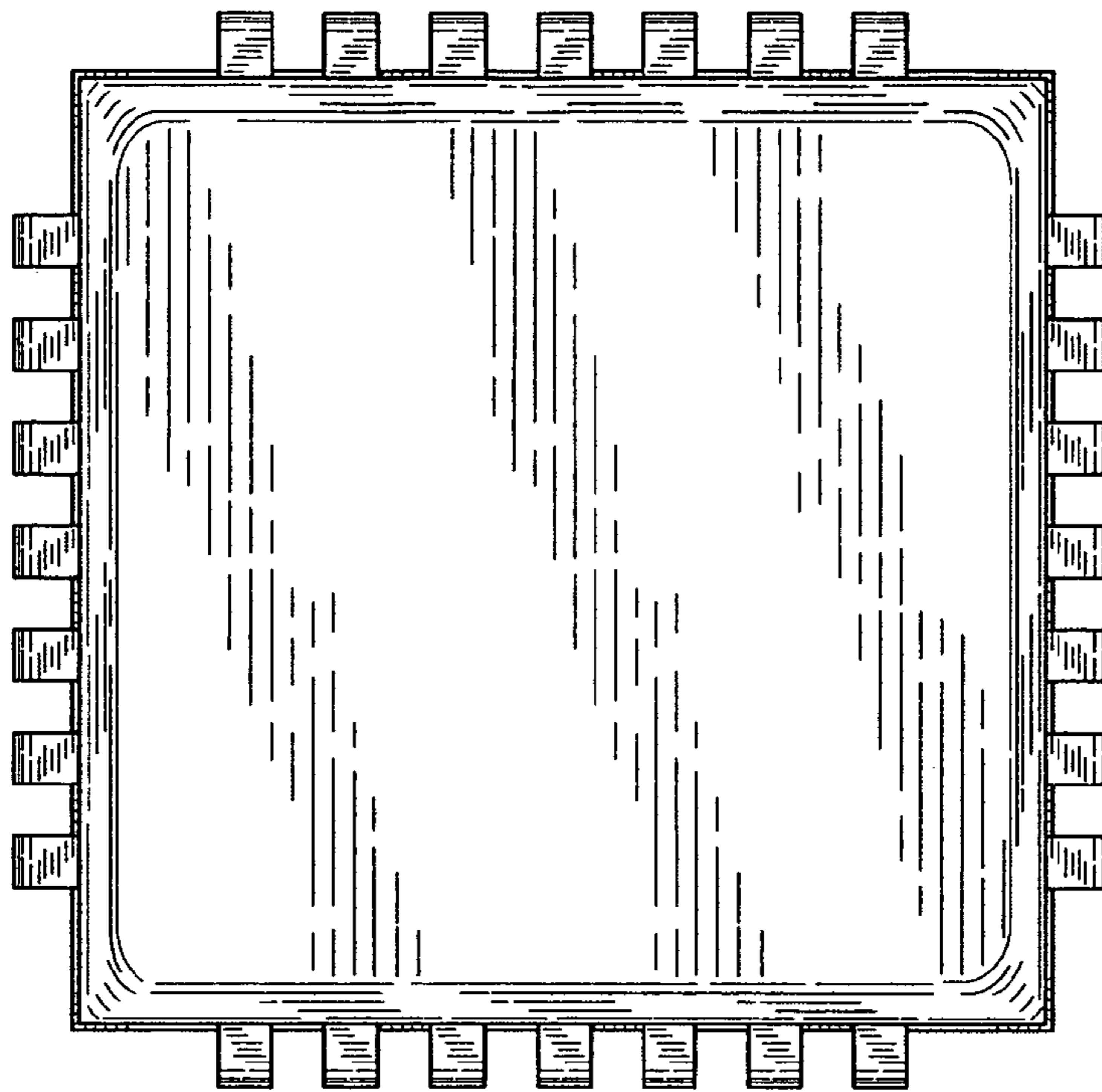


FIG. 2

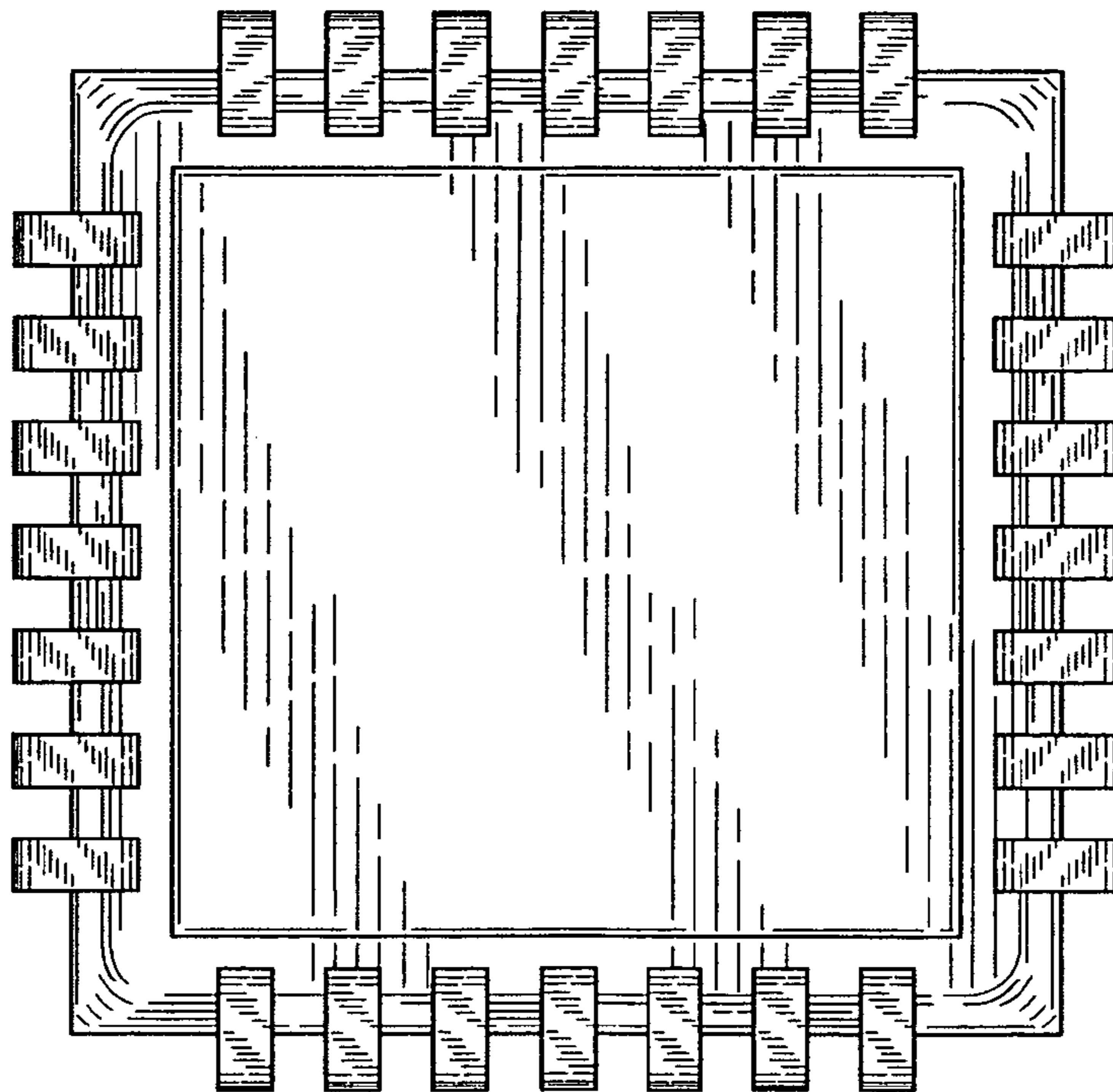


FIG. 3

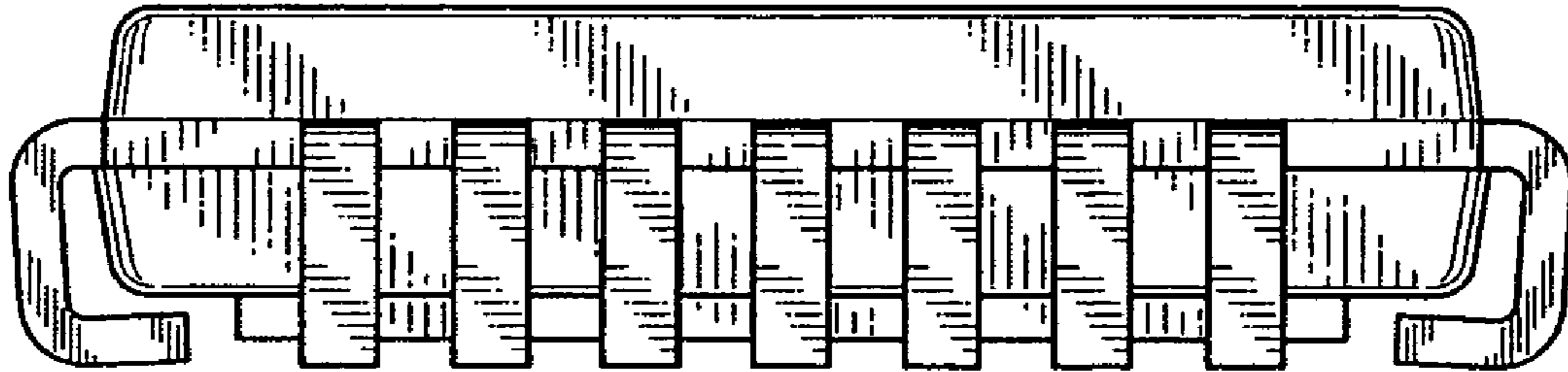


FIG. 4

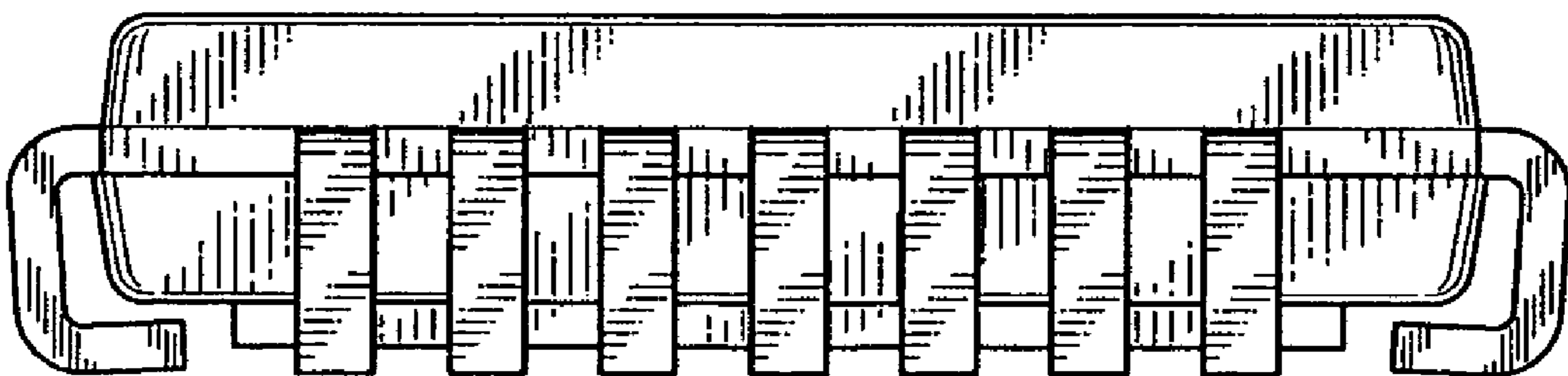


FIG. 5

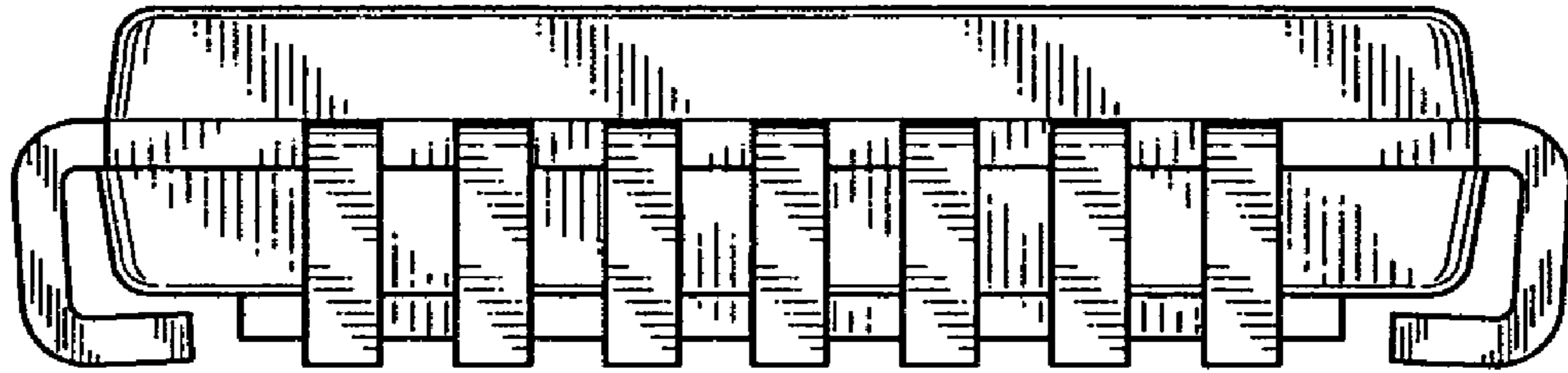


FIG. 6



FIG. 7