

US00D502180S

(12) **United States Design Patent** (10) **Patent No.:** **US D502,180 S**
Gambaro (45) **Date of Patent:** **** Feb. 22, 2005**

(54) **ERGONOMIC TWO-THUMB KEYBOARD**

(76) Inventor: **Thom Gambaro**, P.O. Box 14741,
Portland, OR (US) 97293-0741

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

(21) Appl. No.: **29/177,348**

(22) Filed: **Mar. 6, 2003**

(51) **LOC (7) Cl.** **14-02**

(52) **U.S. Cl.** **D14/391**

(58) **Field of Search** D14/341-345,
D14/392, 333, 396, 398; D18/1, 2, 7; 178/17 A,
17 C; 200/5 A, 5 R, 6 A, 6 R; 235/145 A,
145 R; 345/161, 168; 341/22, 23; 400/489

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,369,807 A	2/1945	Solon
3,022,878 A	2/1962	Seibel et al.
3,428,747 A	2/1969	Alferieff
4,020,527 A	5/1977	O'Neill
4,065,650 A	12/1977	Lou
D258,061 S	1/1981	Foreman
4,244,659 A	1/1981	Malt
4,332,493 A	6/1982	Einbinder
4,360,892 A	11/1982	Endfield
4,442,506 A	4/1984	Endfield
4,517,424 A	5/1985	Kroczyński
4,579,470 A	4/1986	Casey
4,584,443 A	4/1986	Yaeger
4,597,681 A	7/1986	Hodges
D285,200 S	8/1986	Bressler et al.

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

DE	2725677	12/1977
WO	WO 94/12999	6/1994

OTHER PUBLICATIONS

"A Rival to QWERTY," British Printer, Sep. 1977.
D.L. Conway, "Contoured Keyboard," I.B.M. Technical
Disclosure Bulletin, Aug. 1979, vol. 22, No. 3.

A. Uchiyama, "Kana Keyboard with Palm Rest," I.B.M.
Technical Disclosure Bulletin, Feb. 1983, vol. 25, No. 9.

P.J. Kennedy, "Hand-Held Data Input Device," I.B.M. Tech-
nical Disclosure Bulletin, Apr. 1984, vol. 26, No. 11.

Primary Examiner—Freda S. Nunn

(74) *Attorney, Agent, or Firm*—Northwest IP Law Group,
LLC

(57) **CLAIM**

The ornamental design for a ergonomic two-thumb key-
board, as shown and described.

DESCRIPTION

FIG. 1 is an isometric view of a ergonomic two-thumb
keyboard constructed in accordance with the invention
showing the left and right thumb keyboards;

FIG. 2 is a bottom isometric view of the ergonomic two-
thumb keyboard of FIG. 1 showing the keys arranged for use
by the first and second digits of the left and right hands for
data entry;

FIG. 3 is a top view of the ergonomic two-thumb keyboard
of FIG. 1 and FIG. 2 showing the keys of the device arranged
for use by the left and right thumbs for data entry;

FIG. 4 is a bottom view of the ergonomic two-thumb
keyboard of FIG. 1 and FIG. 2 showing the keys arranged
for use by the first and second digits of the left and right
hands for data entry;

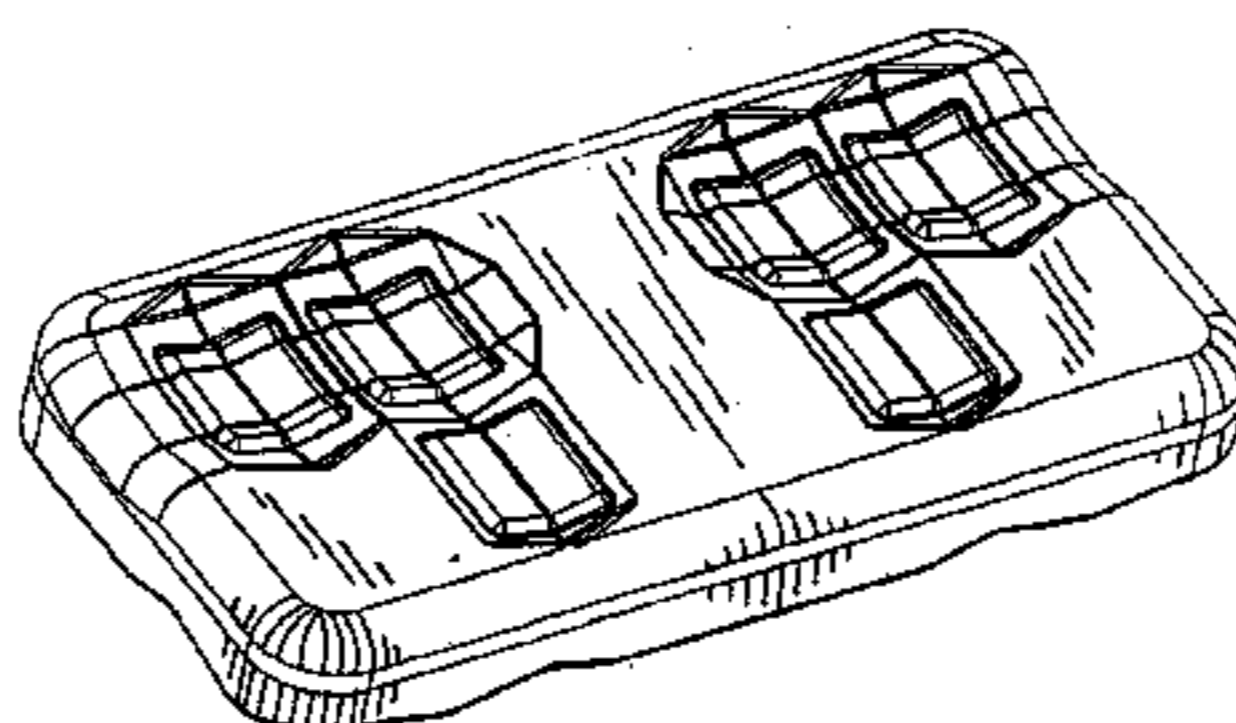
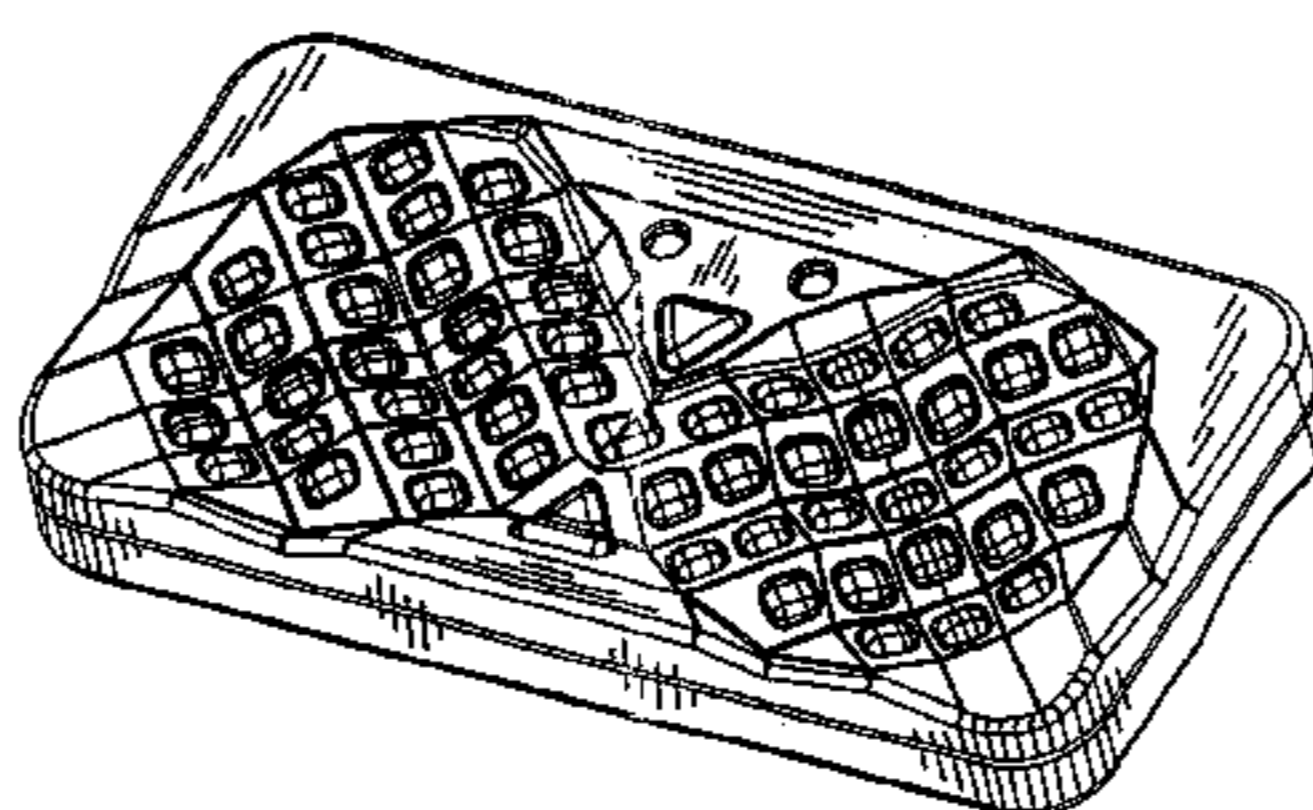
FIG. 5 is a top end view of the ergonomic two-thumb
keyboard showing a section of the housing of the data entry
device of FIG. 1 and FIG. 2;

FIG. 6 is a left side view of the ergonomic two-thumb
keyboard showing a section of the housing of the data entry
device of FIG. 1 and FIG. 2;

FIG. 7 is a right side view of the ergonomic two-thumb
keyboard showing a section of the housing of the data entry
device of FIG. 1 and FIG. 2; and,

FIG. 8 is a bottom end view of the ergonomic two-thumb
keyboard showing a section of the housing of the data entry
device of FIG. 1 and FIG. 2.

1 Claim, 3 Drawing Sheets



US D502,180 S

Page 2

U.S. PATENT DOCUMENTS

4,687,200 A	8/1987	Shirai		5,361,083 A	11/1994	Pollack	
4,787,051 A	11/1988	Olson		5,410,333 A	4/1995	Conway	
4,791,408 A	12/1988	Heusinkveld		D357,911 S	5/1995	Grant et al.	
4,824,268 A	4/1989	Diernisse		5,416,498 A	5/1995	Grant	
4,849,732 A	7/1989	Dolenc		5,503,484 A *	4/1996	Louis	400/489
4,861,269 A	8/1989	Meenen, Jr.		D370,669 S	6/1996	Hargreaves et al.	
4,913,573 A	4/1990	Retter		5,610,602 A	3/1997	Hargreaves	
D310,543 S *	9/1990	Brown	D14/345	5,613,786 A *	3/1997	Howell et al.	400/489
5,119,078 A	6/1992	Grant		5,673,040 A	9/1997	Hargreaves et al.	
5,178,477 A *	1/1993	Gambaro	400/489	D405,071 S	2/1999	Gambaro	
5,267,181 A	11/1993	George		D434,758 S *	12/2000	DiPippo	D14/333
D347,423 S	5/1994	Conway		D434,767 S *	12/2000	Elkins et al.	D14/396
5,332,322 A	7/1994	Gambaro		D462,681 S *	9/2002	Yoon	D14/396
5,339,097 A	8/1994	Grant		6,698,952 B1	3/2004	Goddard	

* cited by examiner

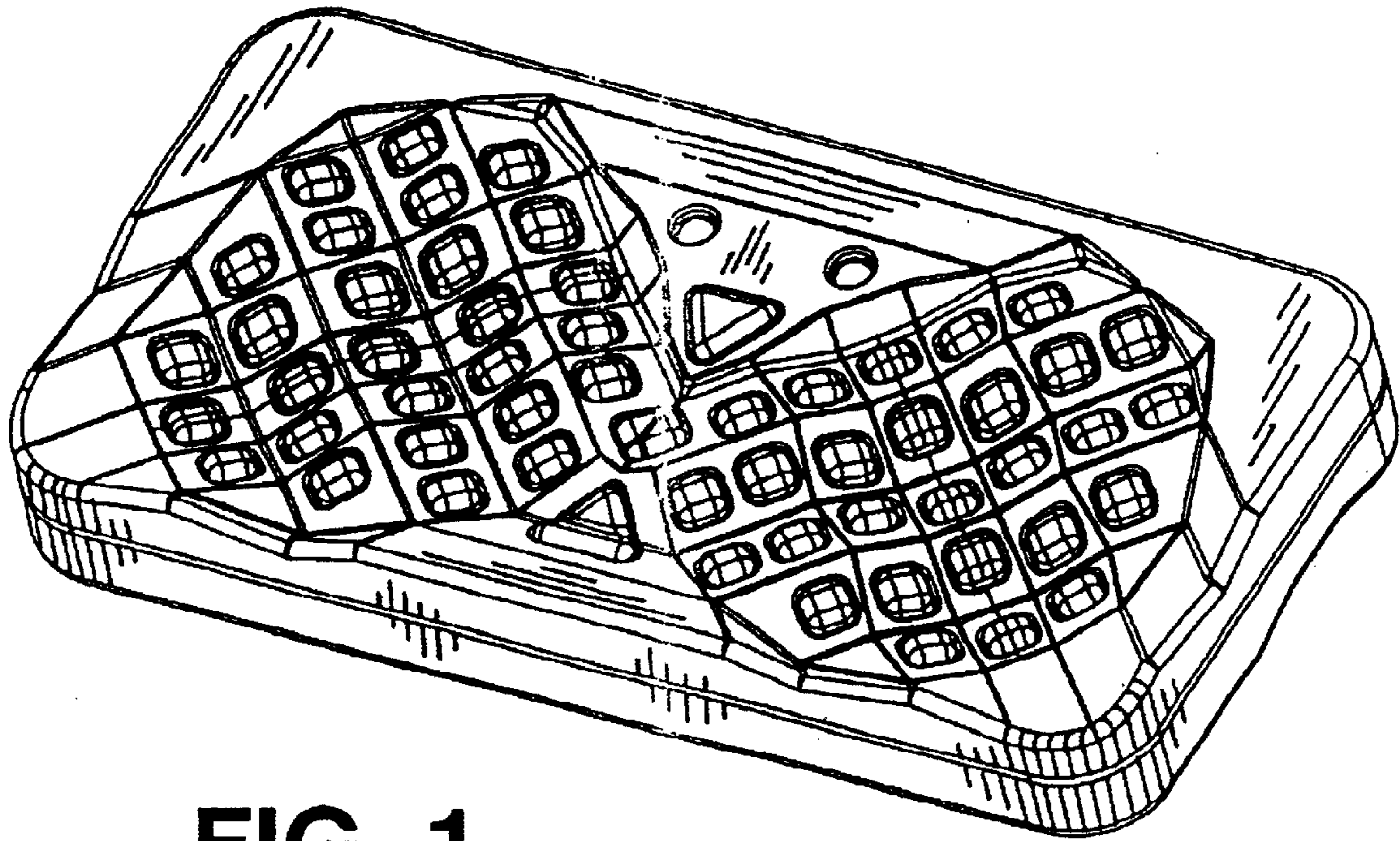
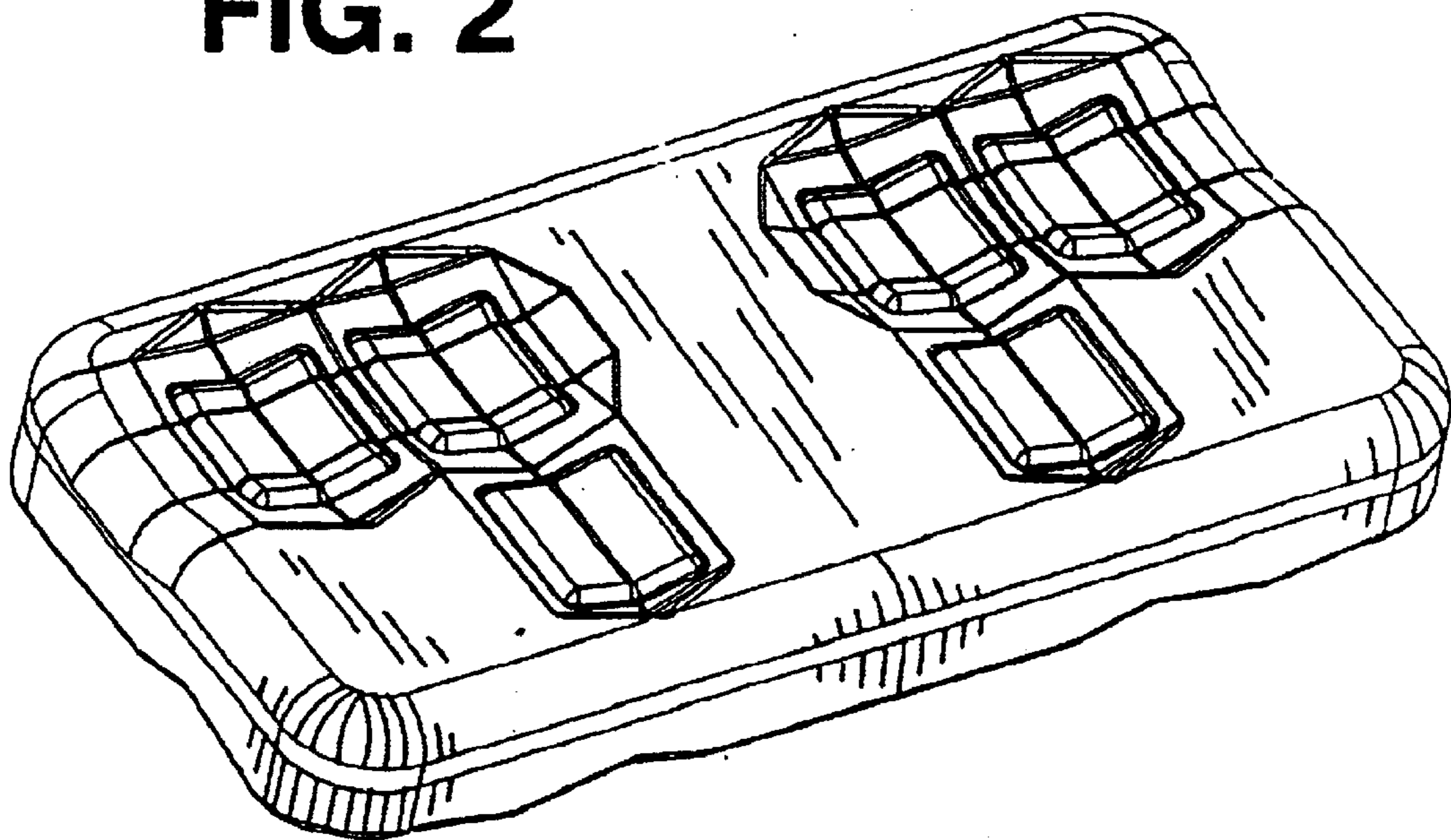


FIG. 1

FIG. 2



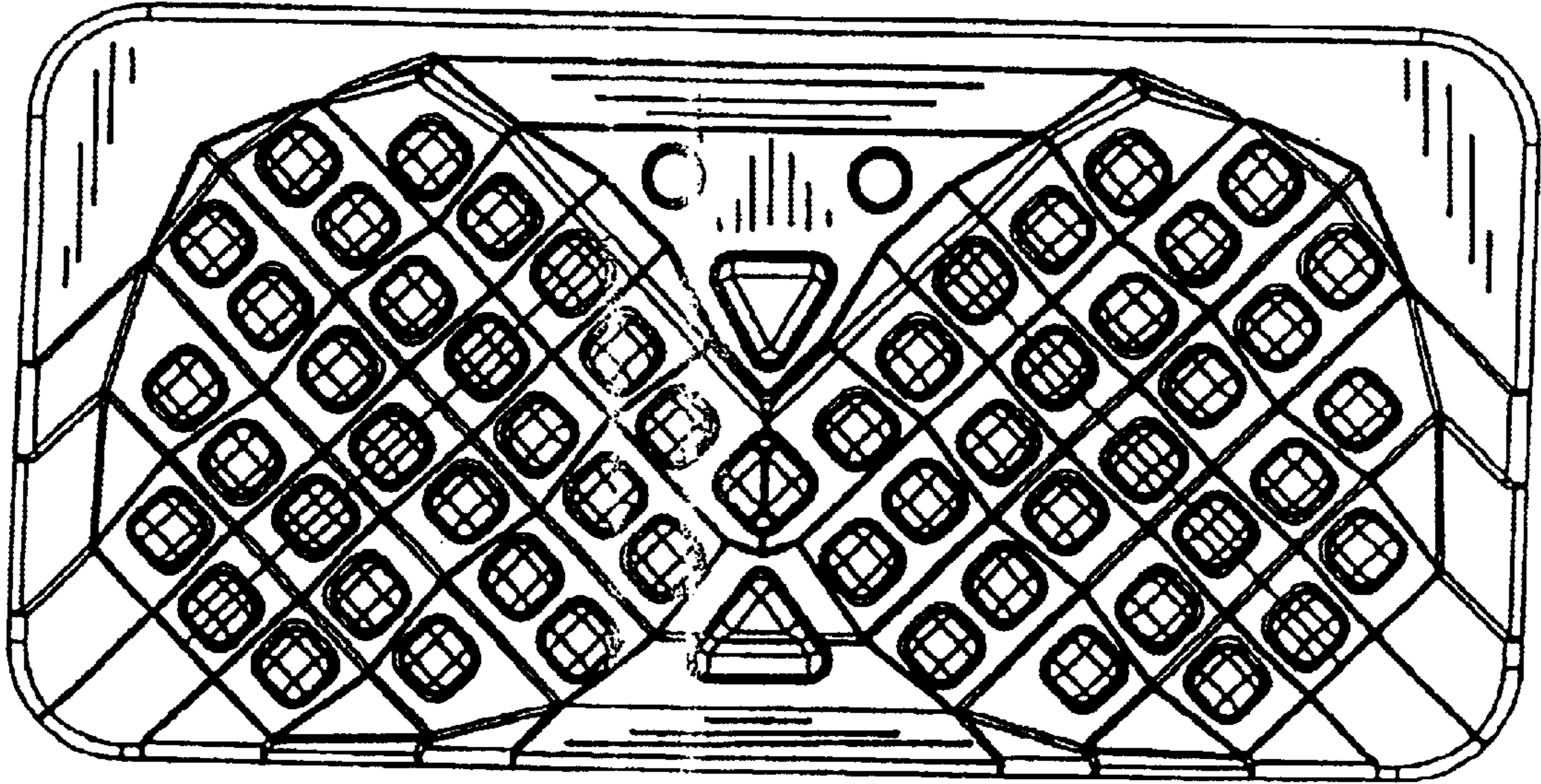


FIG. 3

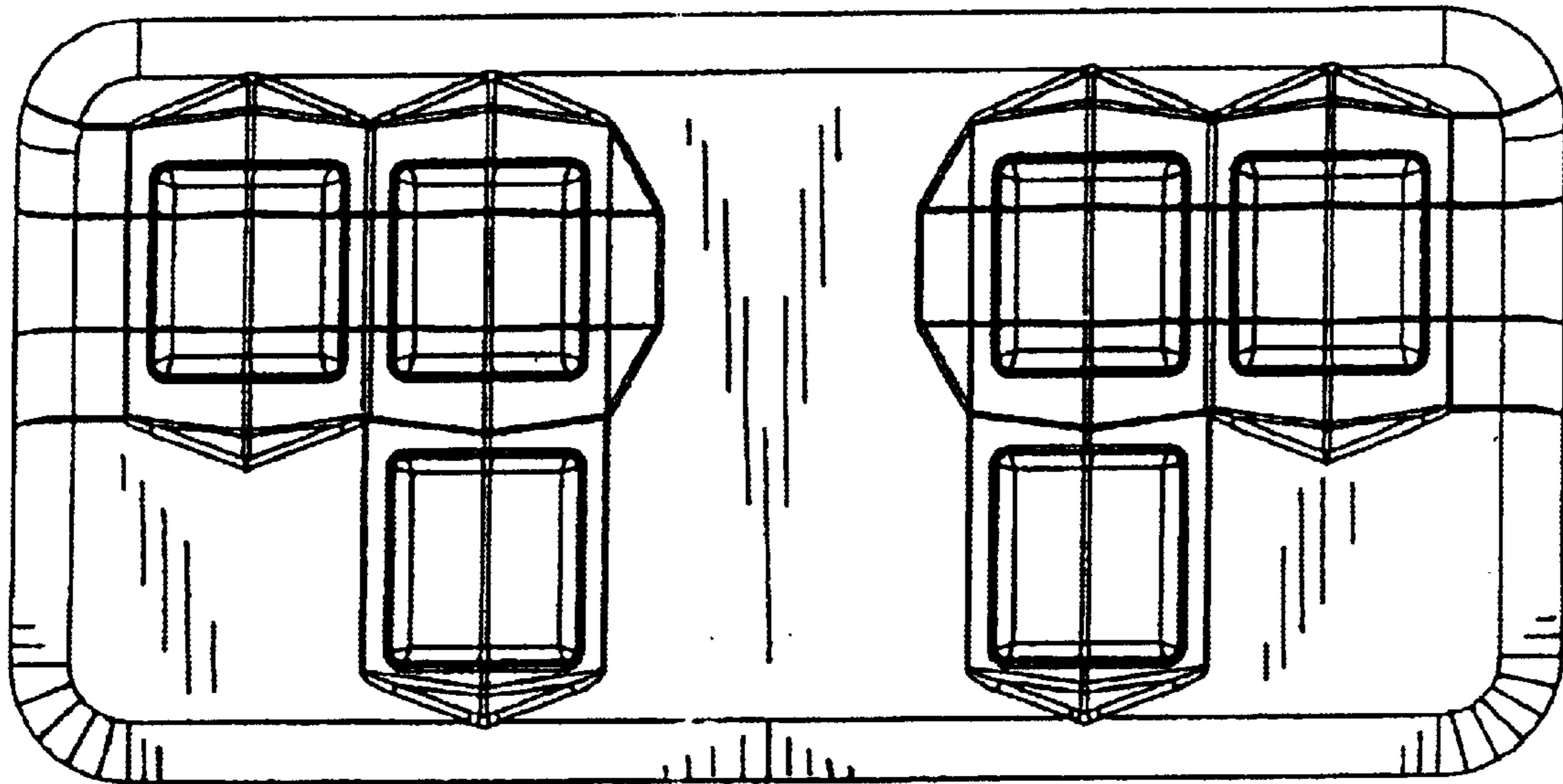


FIG. 4

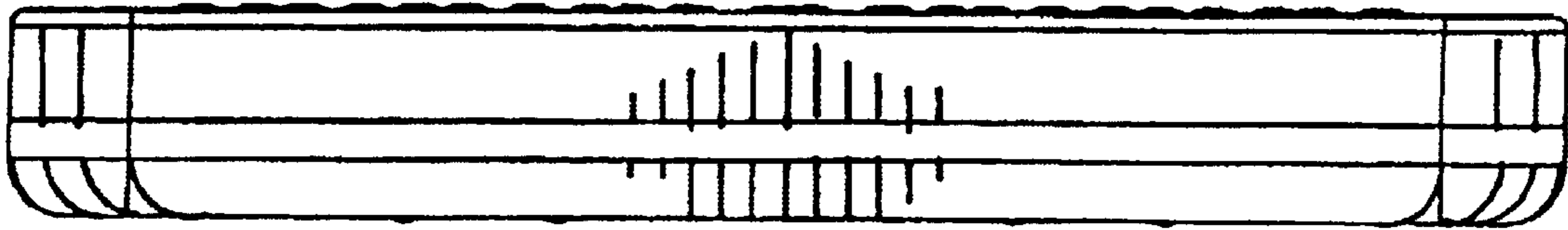


FIG. 5

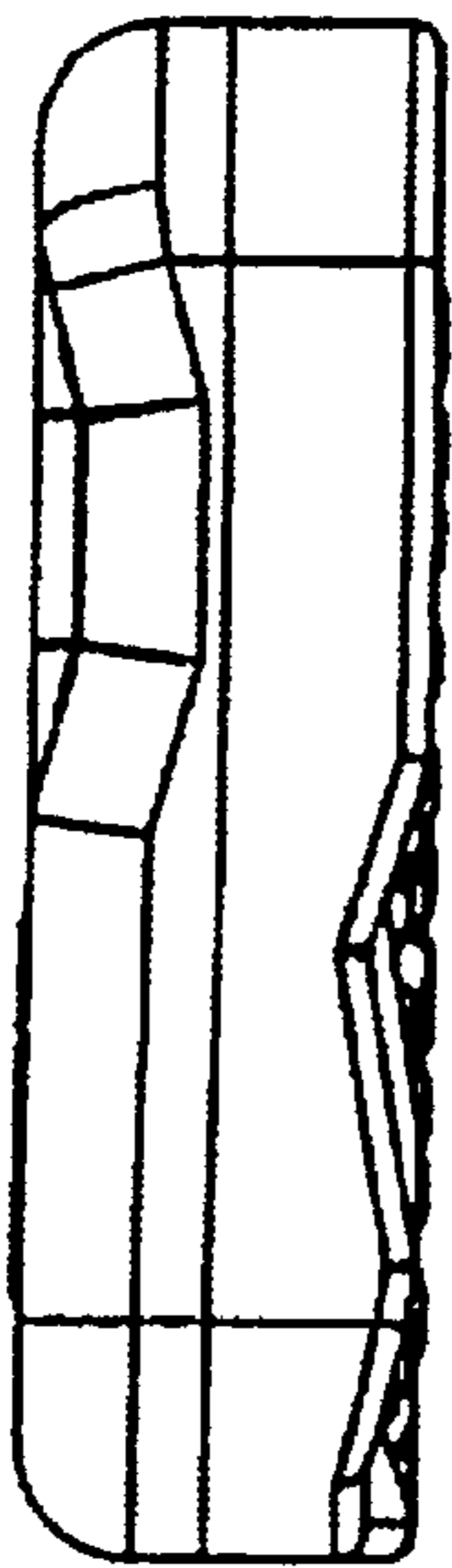


FIG. 6

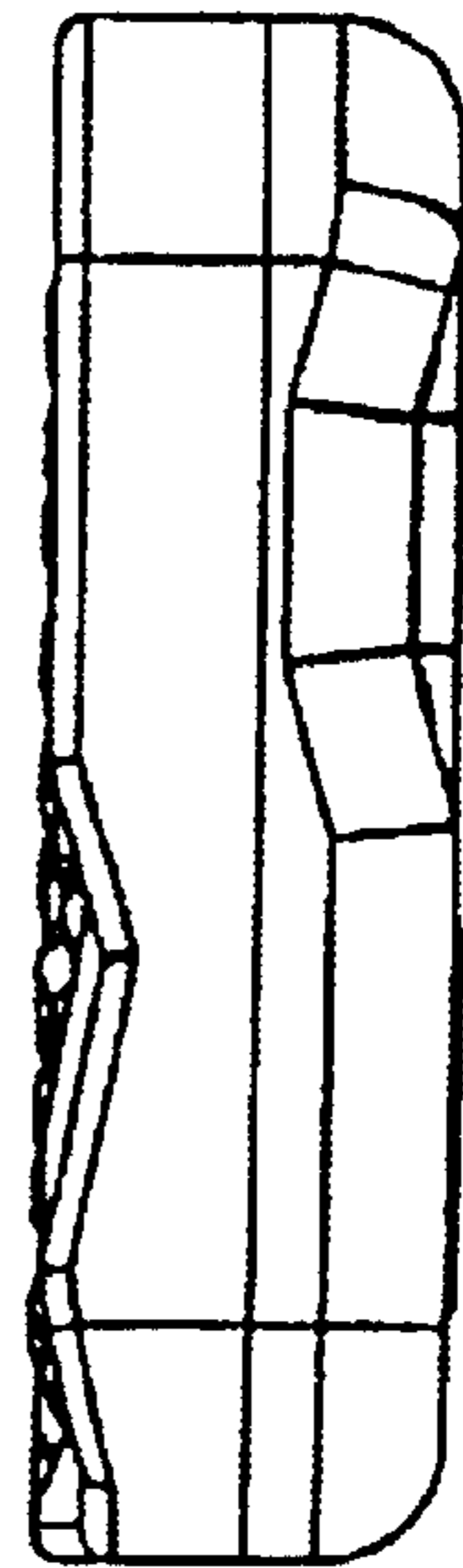


FIG. 7

FIG. 8

