



US00D542403S

(12) **United States Design Patent**
Sundwall

(10) **Patent No.:** **US D542,403 S**

(45) **Date of Patent:** **** May 8, 2007**

(54) **HOUSING FOR IGNITION UNIT FOR GAS AND OIL BURNERS**

(75) Inventor: **Aksel Sundwall**, Nordborg (DK)

(73) Assignee: **Danfoss A/S**, Nordborg (DK)

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

(21) Appl. No.: **29/244,776**

(22) Filed: **Dec. 14, 2005**

(30) **Foreign Application Priority Data**

Jun. 15, 2005 (EM) 000359161

(51) **LOC (8) Cl.** **23-03**

(52) **U.S. Cl.** **D23/386**

(58) **Field of Classification Search** D23/386,
D23/402, 415, 416, 418, 421, 322; 431/264,
431/277, 208, 263, 258, 128, 43, 266; 126/116 R,
126/114, 39 E, 110 R; 237/48, 53; 123/634;
336/90

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D173,463 S	*	11/1954	Sherman	.....	D23/416
3,117,619 A	*	1/1964	Lange et al.	.....	431/43
3,421,825 A	*	1/1969	Maycock	.....	431/208
3,490,857 A	*	1/1970	Good	.....	431/264
3,523,748 A	*	8/1970	Emmel et al.	.....	431/264
3,534,724 A	*	10/1970	Petz	.....	126/114
3,556,705 A	*	1/1971	Mellet et al.	.....	431/258
4,108,592 A	*	8/1978	Fair	.....	431/128
D256,949 S	*	9/1980	Patel	.....	D23/386
D280,926 S	*	10/1985	Cake et al.	.....	D23/386
5,125,386 A	*	6/1992	De Filippis et al.	.....	123/634
D331,104 S	*	11/1992	Bender	.....	D23/418
5,393,224 A	*	2/1995	Allen et al.	.....	431/266
D367,703 S	*	3/1996	Myers et al.	.....	D23/322

D374,716 S	*	10/1996	Anderson et al.	.....	D23/415
5,741,129 A	*	4/1998	Li	.....	431/264
6,012,443 A	*	1/2000	Peug	.....	126/39 E
6,545,581 B1	*	4/2003	Munsch et al.	.....	336/90
2005/0042564 A1	*	2/2005	Suyama et al.	.....	431/264
2005/0263148 A1	*	12/2005	Rand	.....	126/110 R
2006/0213499 A1	*	9/2006	Alphs et al.	.....	126/116 R

* cited by examiner

Primary Examiner—Louis Zarfaz

Assistant Examiner—David Muller

(74) *Attorney, Agent, or Firm*—McCormick, Pauldings & Huber LLP

(57) **CLAIM**

What is claimed is the new, original and ornamental design for a housing for ignition unit for gas and oil burners or the like, as shown in FIGS. 1 through 7.

DESCRIPTION

FIG. 1 is a top plan view of the housing for ignition unit for gas and oil burners or the like thereof.

FIG. 2 is a perspective view as seen from the top, left hand side and rear of the housing for ignition unit for gas and oil burners.

FIG. 3 is a perspective view as seen from the top, left hand side and rear of the housing for ignition unit for gas and oil burners.

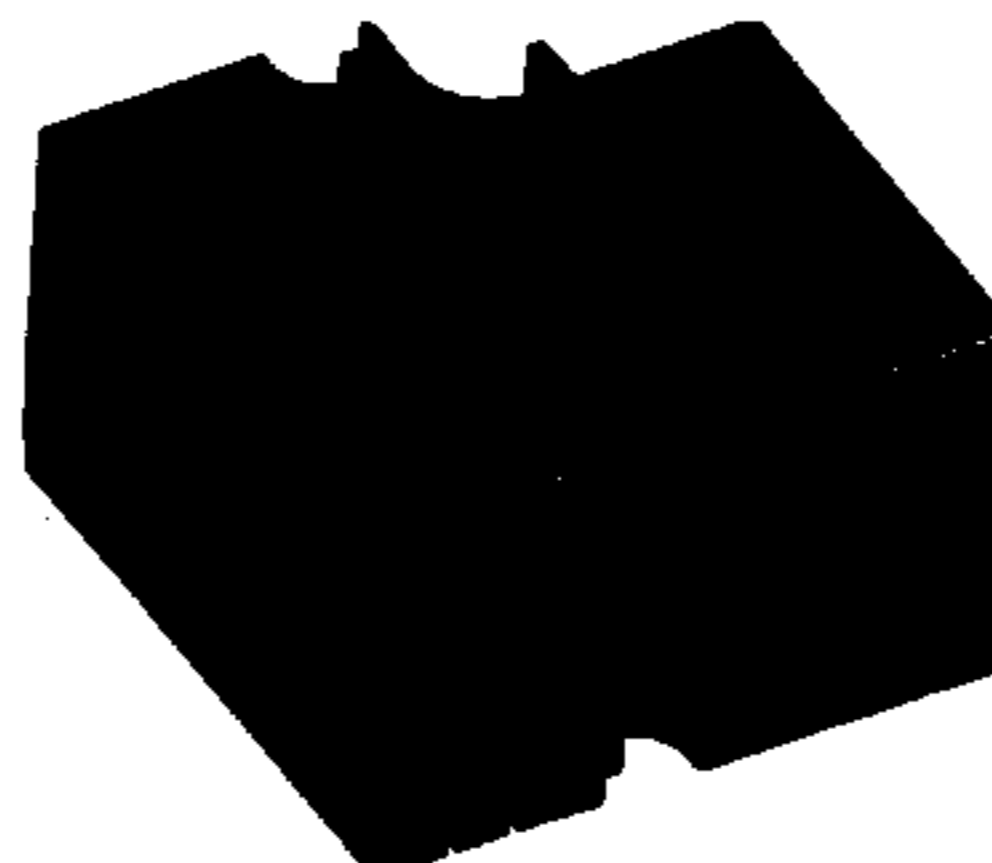
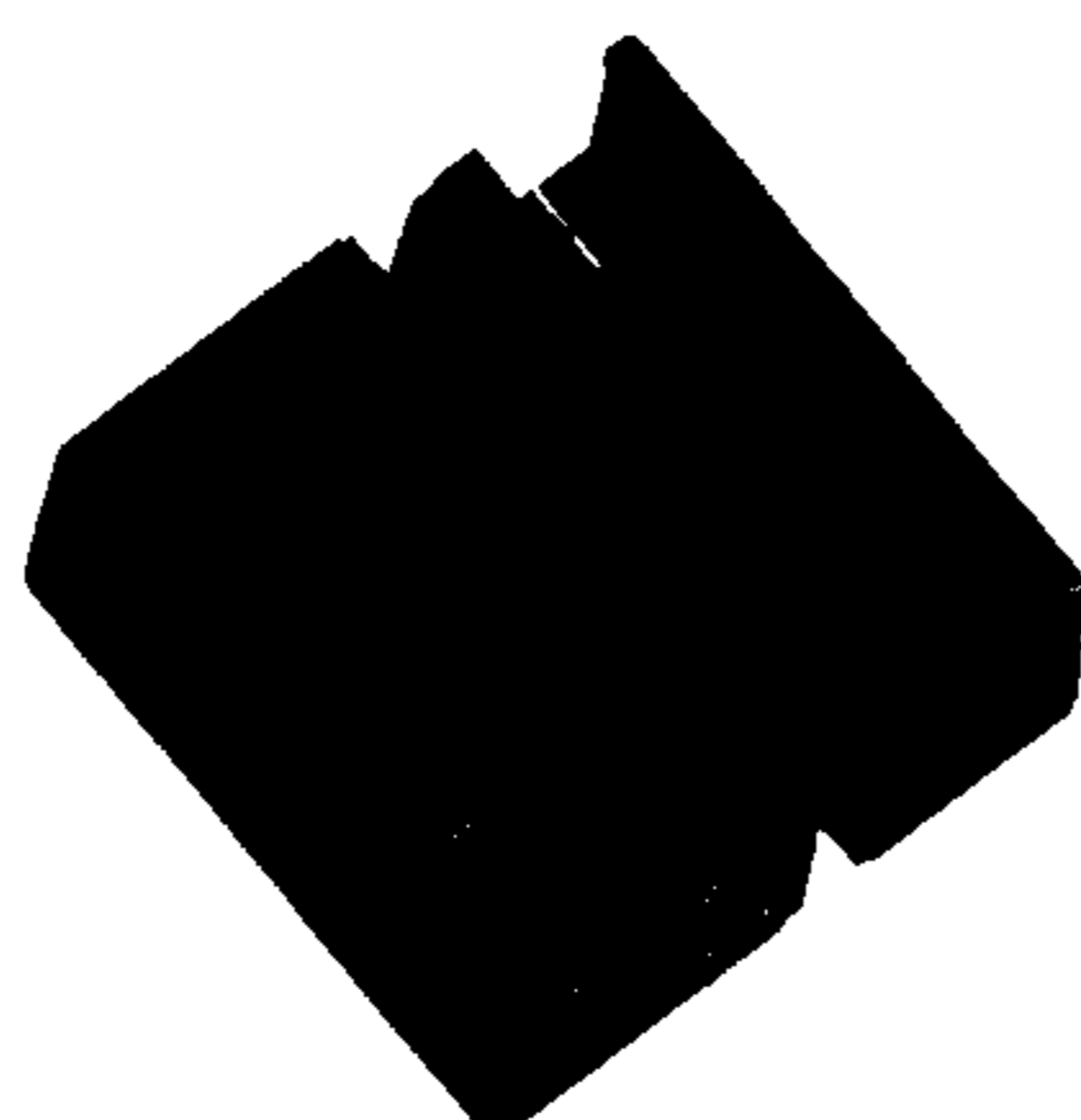
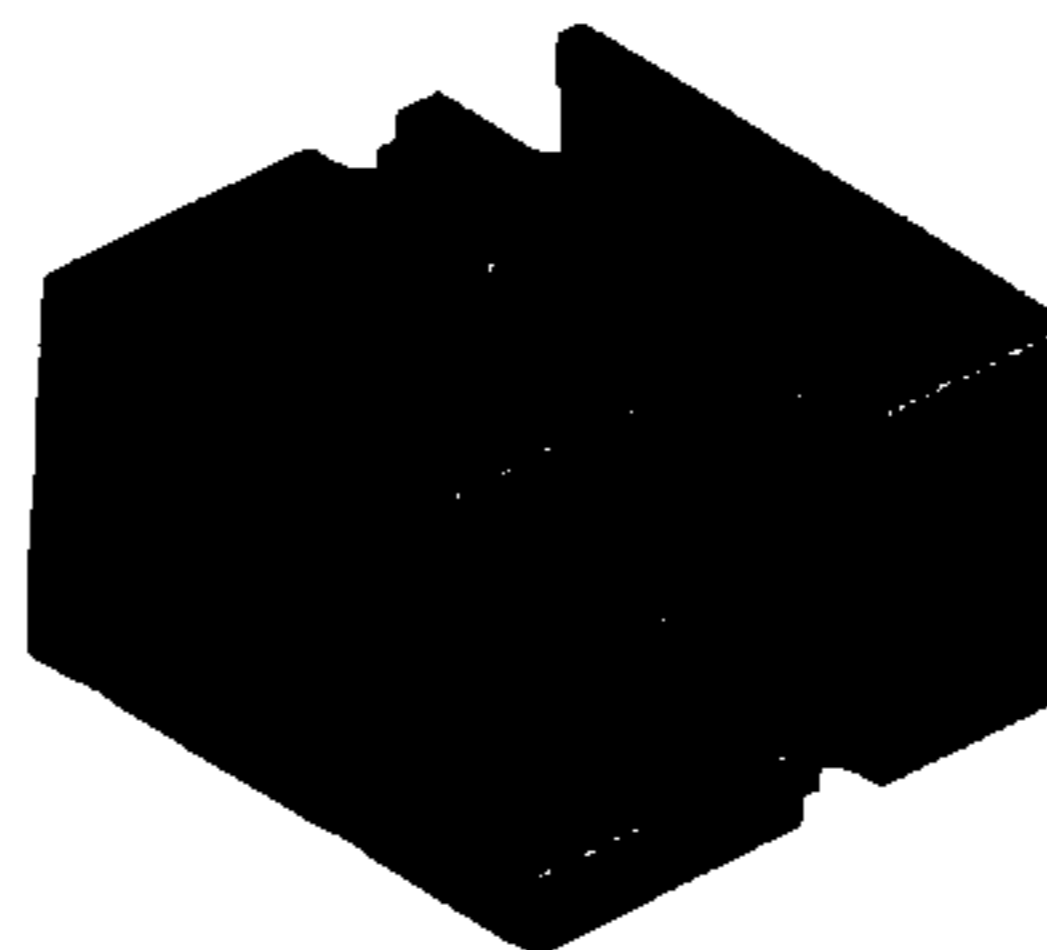
FIG. 4 is a perspective view as seen from the top, right hand side and front of the housing for ignition unit for gas and oil burners.

FIG. 5 is a left hand side view of the housing for ignition unit for gas and oil burners.

FIG. 6 is a bottom view of the housing for ignition unit for gas and oil burners; and,

FIG. 7 is a perspective view as seen from the bottom, left hand side and rear of the housing for ignition unit for gas and oil burners.

1 Claim, 4 Drawing Sheets



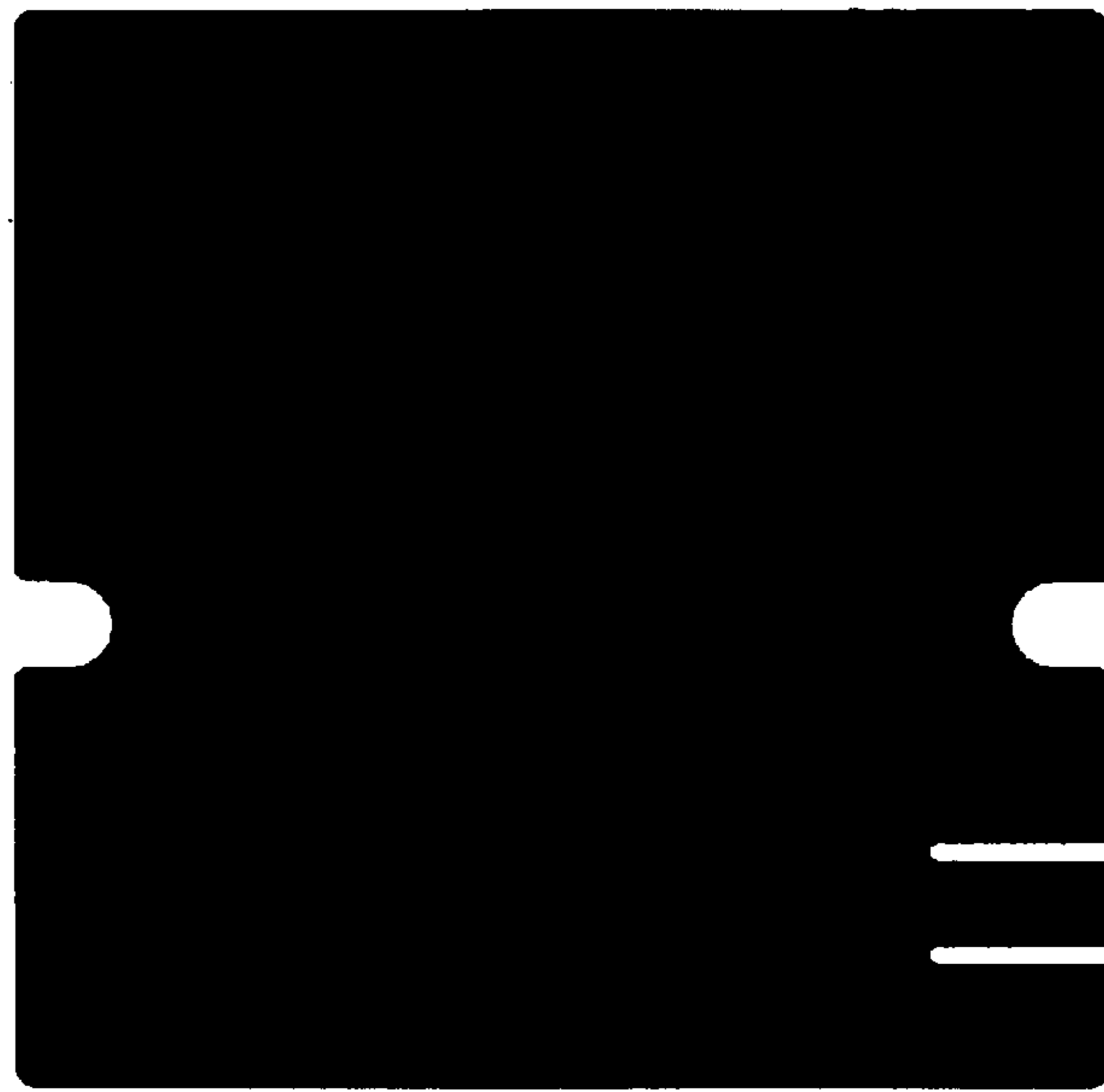


FIG. 1

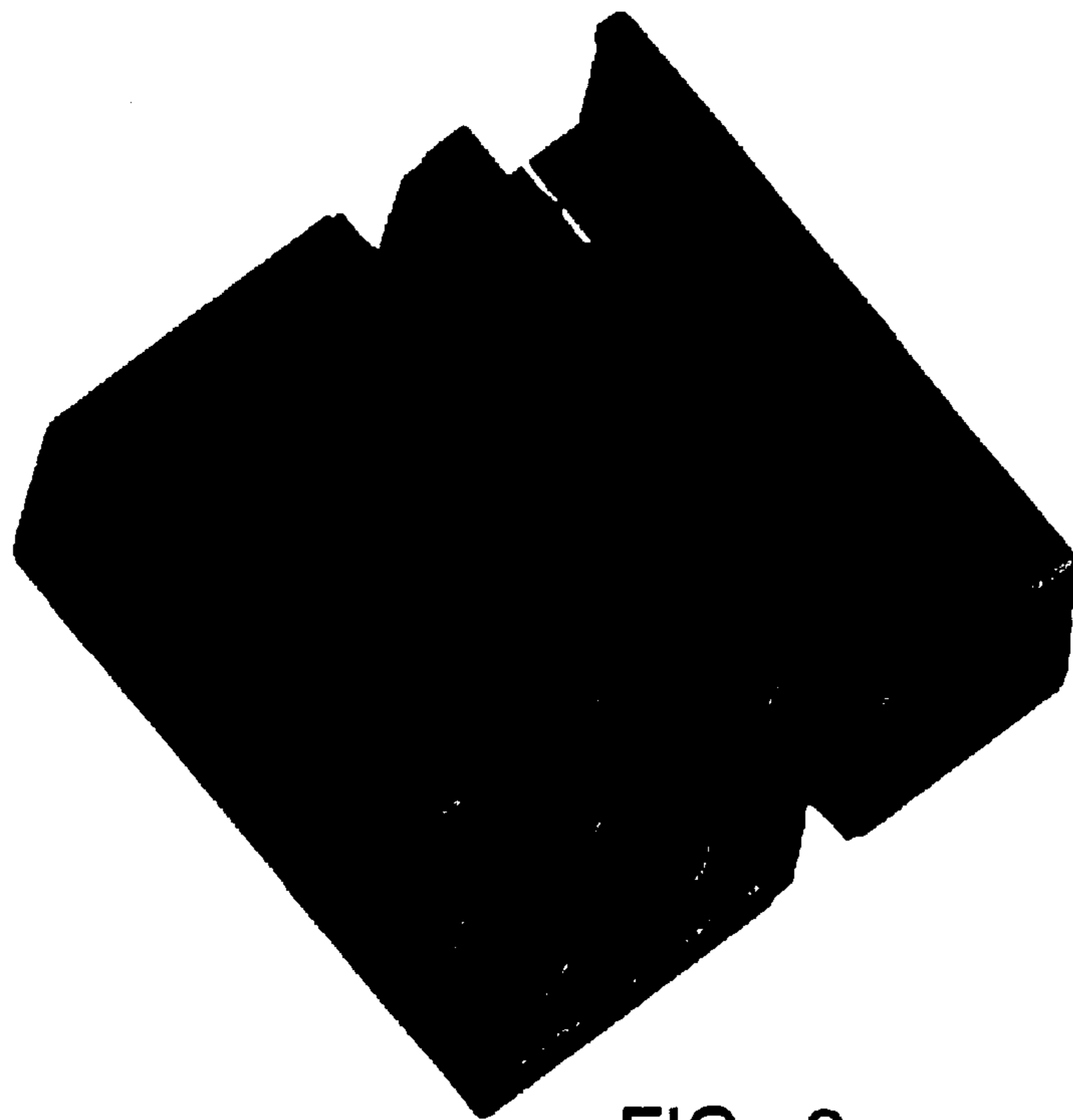


FIG. 2

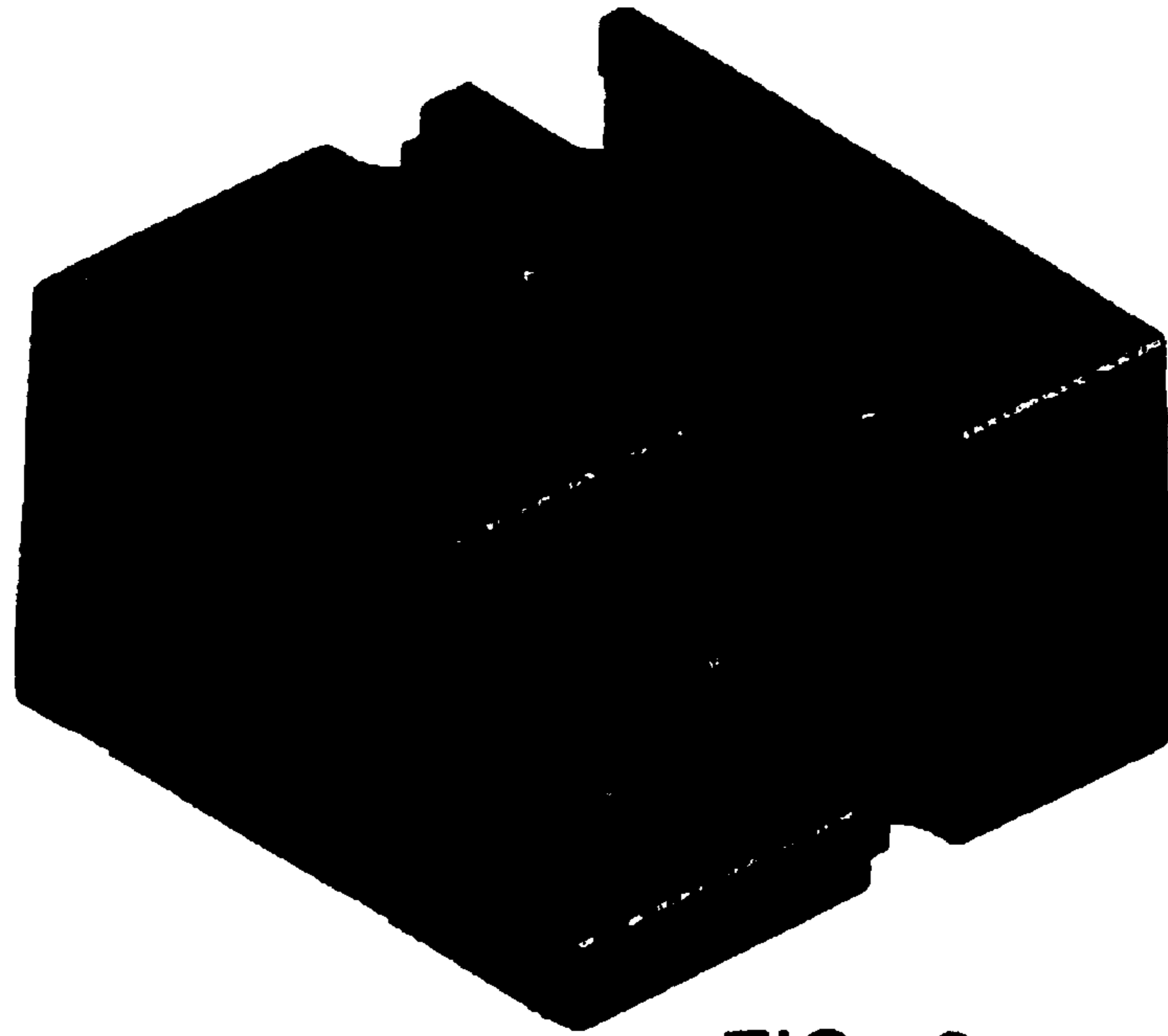


FIG. 3

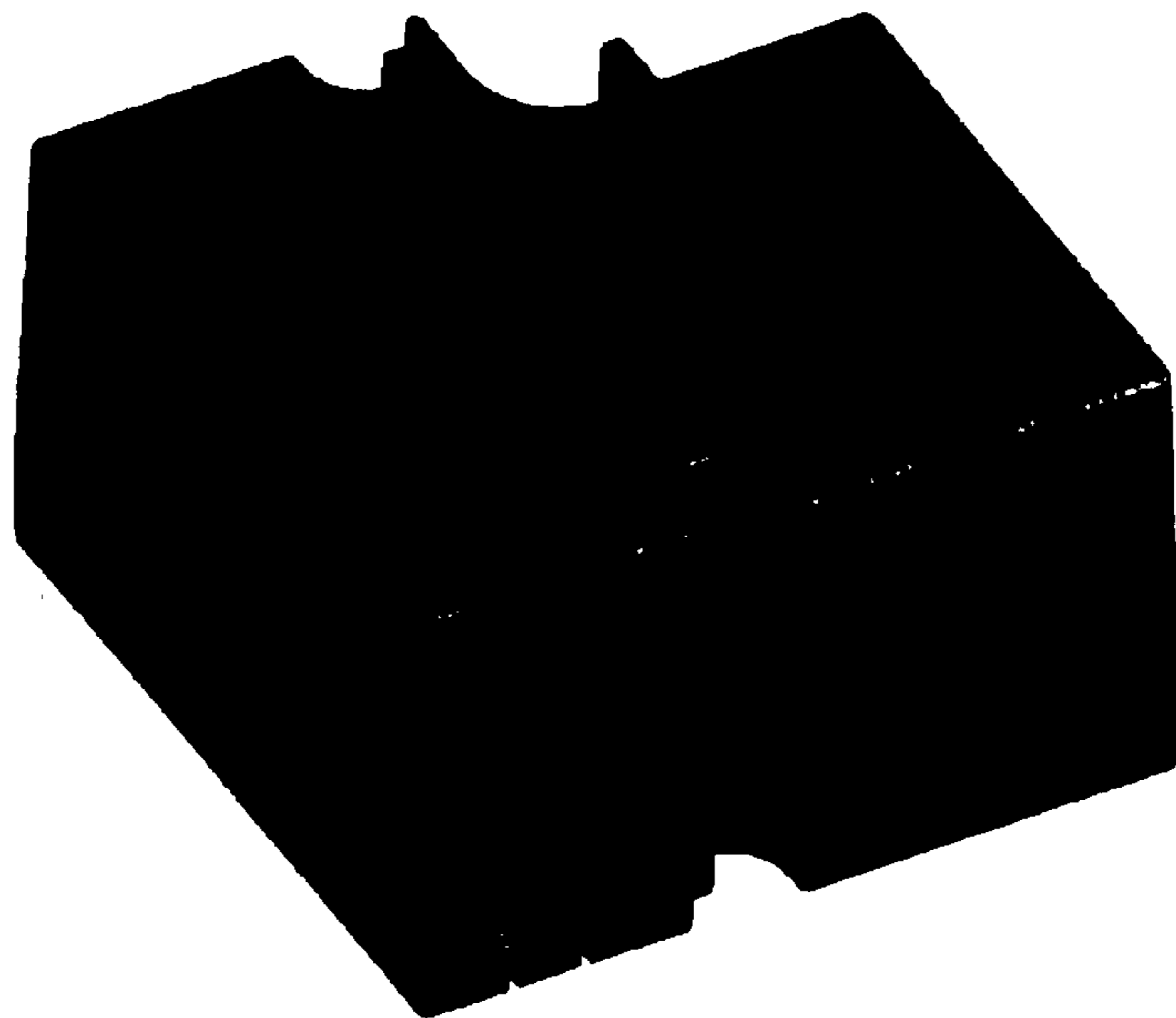


FIG. 4

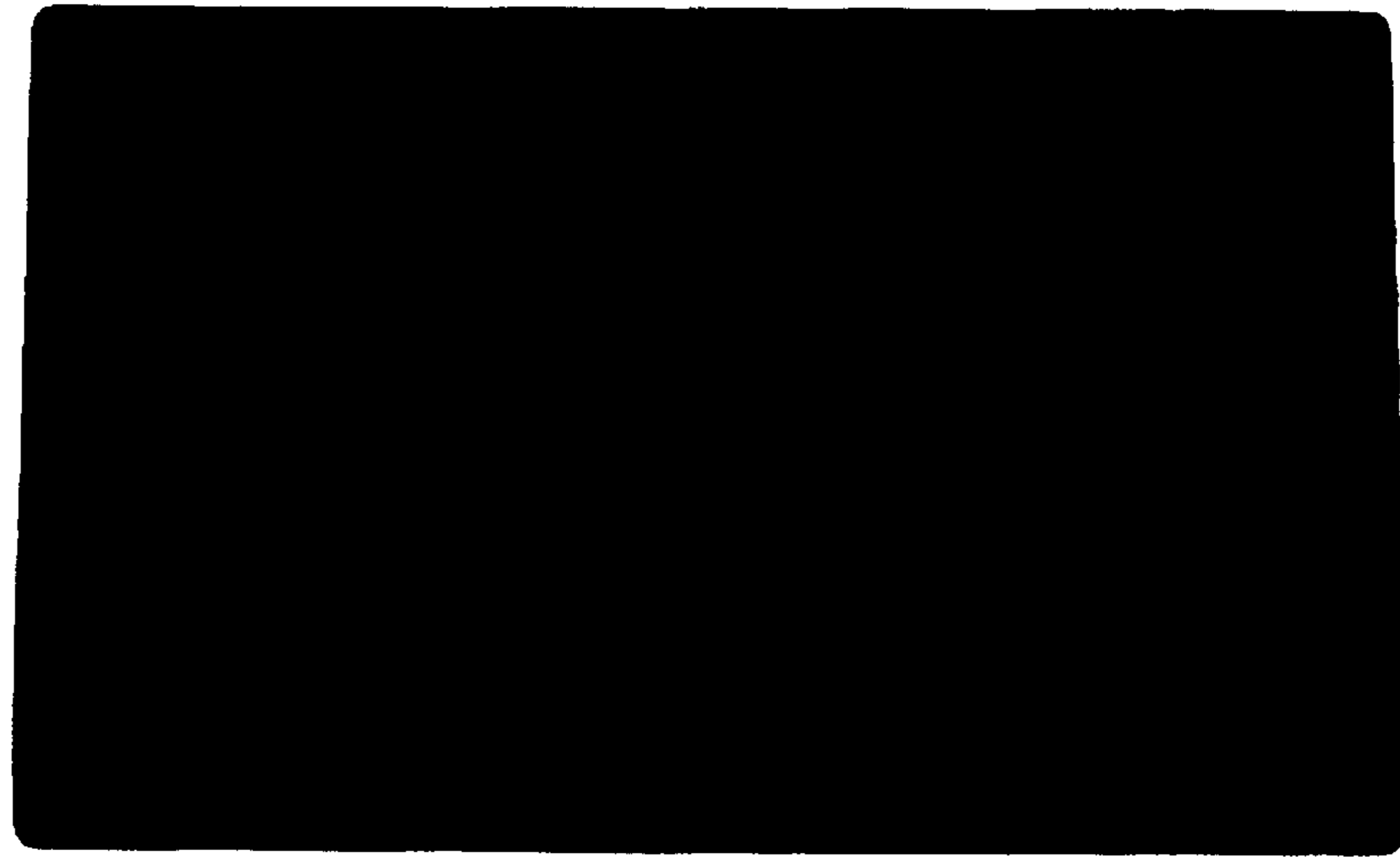


FIG. 5



FIG. 6

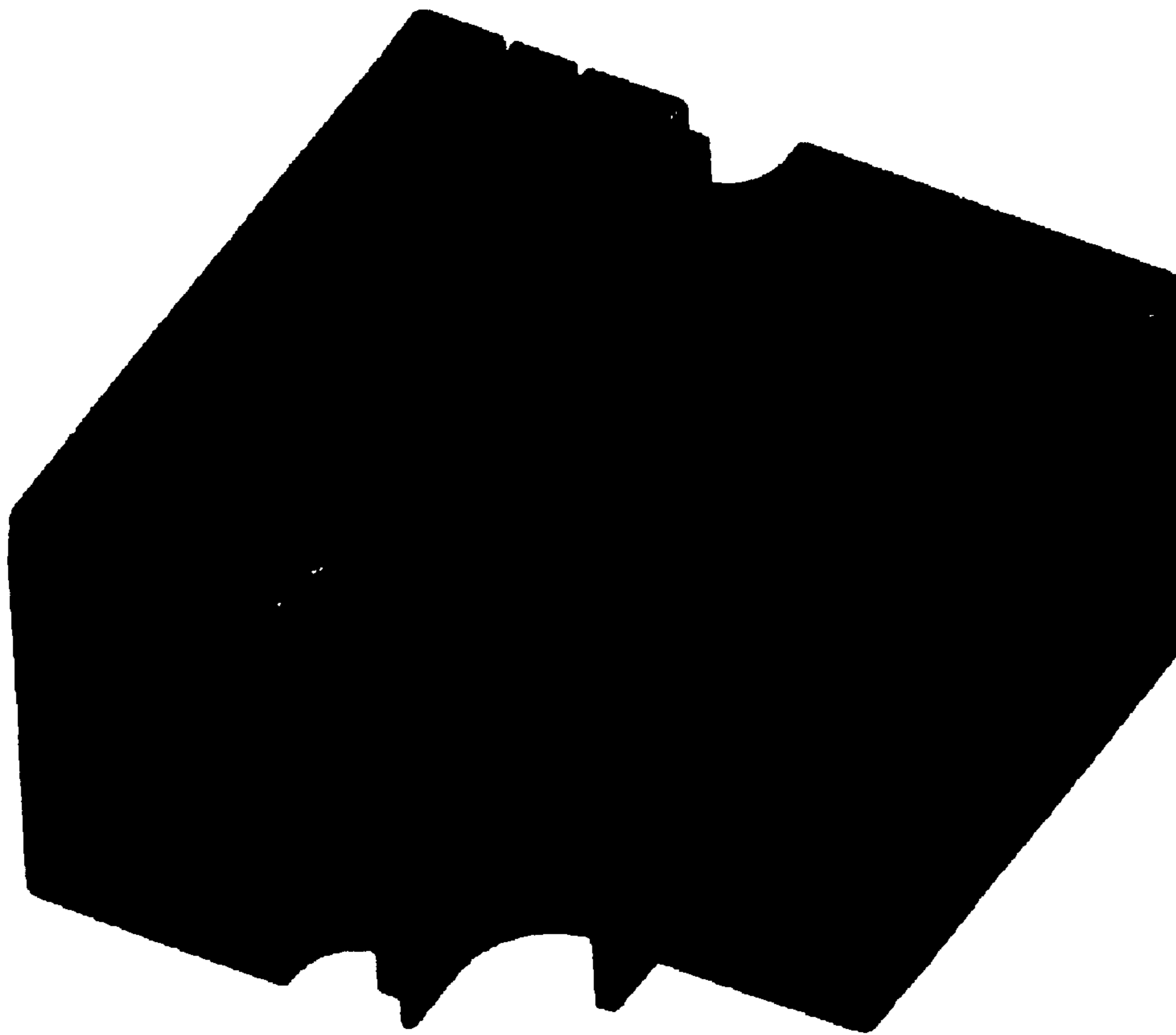


FIG. 7

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : Des. 542,403 S
APPLICATION NO. : 29/244776
DATED : May 8, 2007
INVENTOR(S) : Sundwall

Page 1 of 6

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page showing the illustrative figure should be deleted and substitute with the attached title page.

The drawing sheet, consisting of Fig. 1 – 7, should be deleted and replaced with drawing sheet, consisting of Fig. 1 – 7, as shown on the attached page.

Signed and Sealed this

Fourth Day of December, 2007

A handwritten signature in black ink on a dotted background. The signature reads "Jon W. Dudas" in a cursive style.

JON W. DUDAS

Director of the United States Patent and Trademark Office

(12) **United States Design Patent**
Sundwall

(10) Patent No.: **US D542,403 S**
 (45) Date of Patent: **** May 8, 2007**

(54) **HOUSING FOR IGNITION UNIT FOR GAS AND OIL BURNERS**

(75) Inventor: **Aksel Sundwall, Nordborg (DK)**

(73) Assignee: **Danfoss A/S, Nordborg (DK)**

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

(21) Appl. No.: **29/244,776**

(22) Filed: **Dec. 14, 2005**

(30) **Foreign Application Priority Data**

Jun. 15, 2005 (EM) 000359161

(51) **LOC (3) Cl.** **23-03**

(52) **U.S. Cl.** **D23/386**

(58) **Field of Classification Search** **D23/386,**
D23/402, 415, 416, 418, 421, 322; 431/264,
431/277, 208, 263, 358, 128, 43, 266; 126/116 R,
126/114, 39 E, 110 R; 237/48, 53; 123/634;
336/90

See application file for complete search history.

(36) **References Cited**

U.S. PATENT DOCUMENTS

D173,463 S	*	11/1954	Sherman	.....	D23/415
3,117,619 A	*	1/1954	Lange et al.	.....	431/263
3,421,825 A	*	1/1969	Maycock	.....	431/268
3,490,857 A	*	1/1970	Good	.....	431/264
3,523,748 A	*	8/1970	Emmel et al.	.....	431/264
3,534,724 A	*	10/1970	Petz	.....	126/114
3,556,705 A	*	1/1971	Mellet et al.	.....	431/268
4,168,592 A	*	8/1978	Fair	.....	431/268
D256,949 S	*	9/1980	Patel	.....	D23/386
D280,926 S	*	10/1985	Cake et al.	.....	D23/386
5,125,366 A	*	6/1992	De Filippis et al.	.....	123/634
D331,104 S	*	11/1992	Bender	.....	D23/418
5,393,224 A	*	2/1995	Allen et al.	.....	431/266
D367,703 S	*	3/1996	Myers et al.	.....	D23/322

D374,716 S	*	10/1996	Anderson et al.	.....	D23/415
5,741,129 A	*	4/1998	Li	.....	431/264
6,012,443 A	*	1/2000	Peug	.....	126/39 E
6,545,581 B1	*	4/2003	Munsch et al.	.....	336/90
2005/0042554 A1	*	2/2005	Suyama et al.	.....	431/264
2005/0263148 A1	*	12/2005	Rand	.....	126/110 R
2006/0213499 A1	*	9/2006	Alphs et al.	.....	126/116 R

* cited by examiner

Primary Examiner—Louis Zarfus

Assistant Examiner—David Muller

(74) *Attorney, Agent, or Firm—McCormick, Paulding & Huber LLP*

(57) **CLAIM**

What is claimed is the new, original and ornamental design for a housing for ignition unit for gas and oil burners or the like, as shown in FIGS. 1 through 7.

DESCRIPTION

FIG. 1 is a top plan view of the housing for ignition unit for gas and oil burners or the like thereof.

FIG. 2 is a perspective view as seen from the top, left hand side and rear of the housing for ignition unit for gas and oil burners.

FIG. 3 is a perspective view as seen from the top, left hand side and rear of the housing for ignition unit for gas and oil burners.

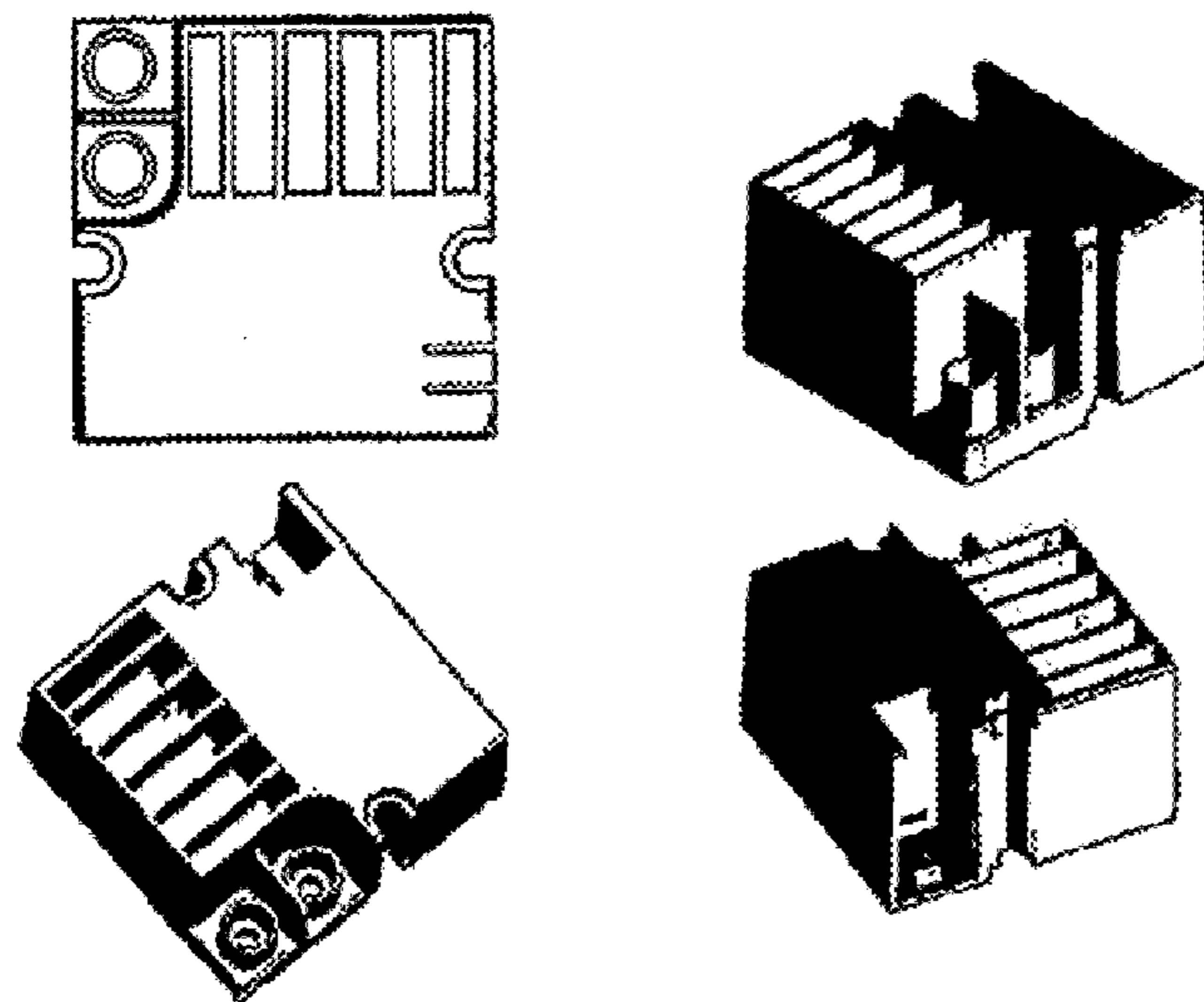
FIG. 4 is a perspective view as seen from the top, right hand side and front of the housing for ignition unit for gas and oil burners.

FIG. 5 is a left hand side view of the housing for ignition unit for gas and oil burners.

FIG. 6 is a bottom view of the housing for ignition unit for gas and oil burners; and,

FIG. 7 is a perspective view as seen from the bottom, left hand side and rear of the housing for ignition unit for gas and oil burners.

1 Claim, 4 Drawing Sheets



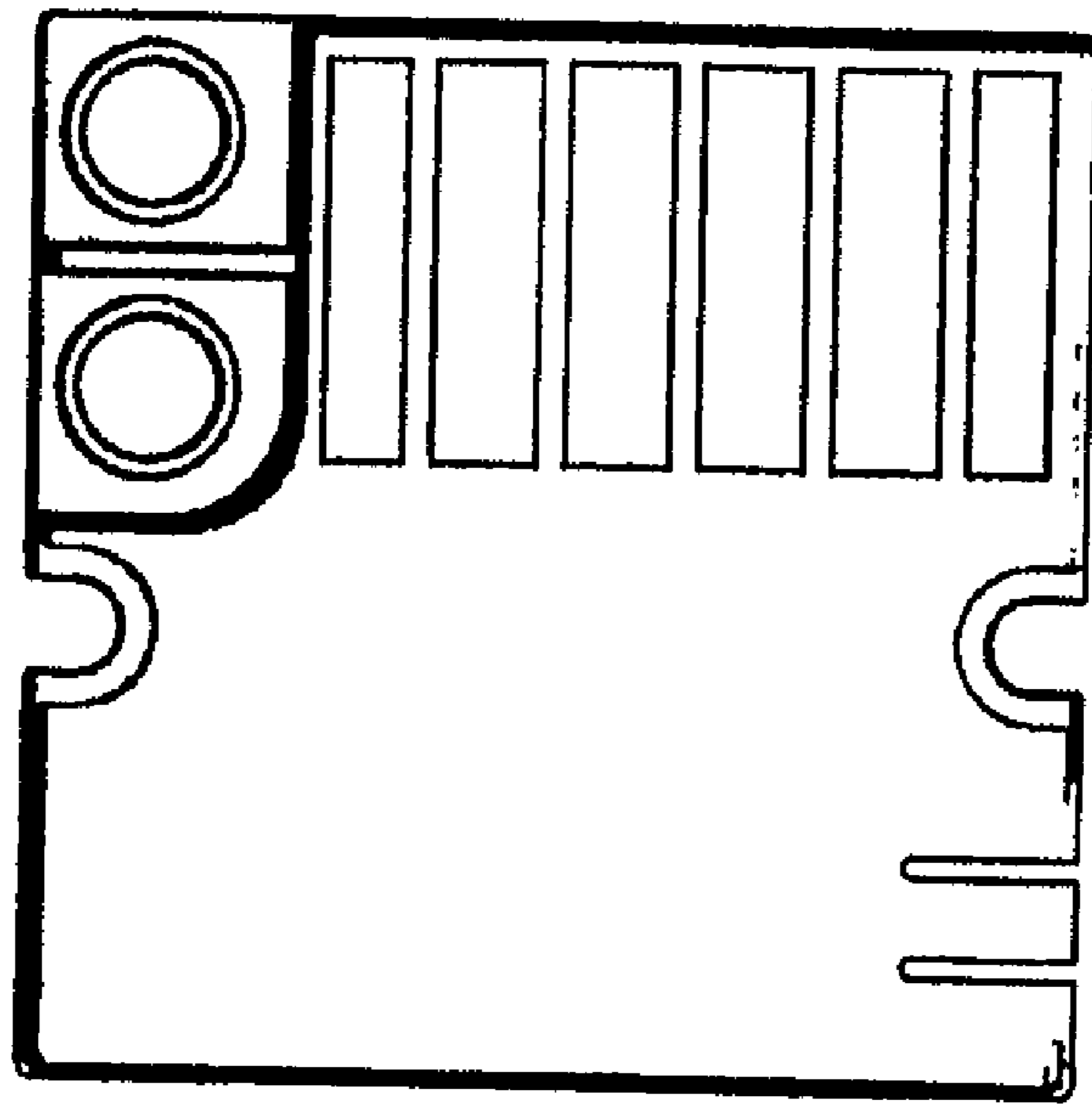


FIG. 1

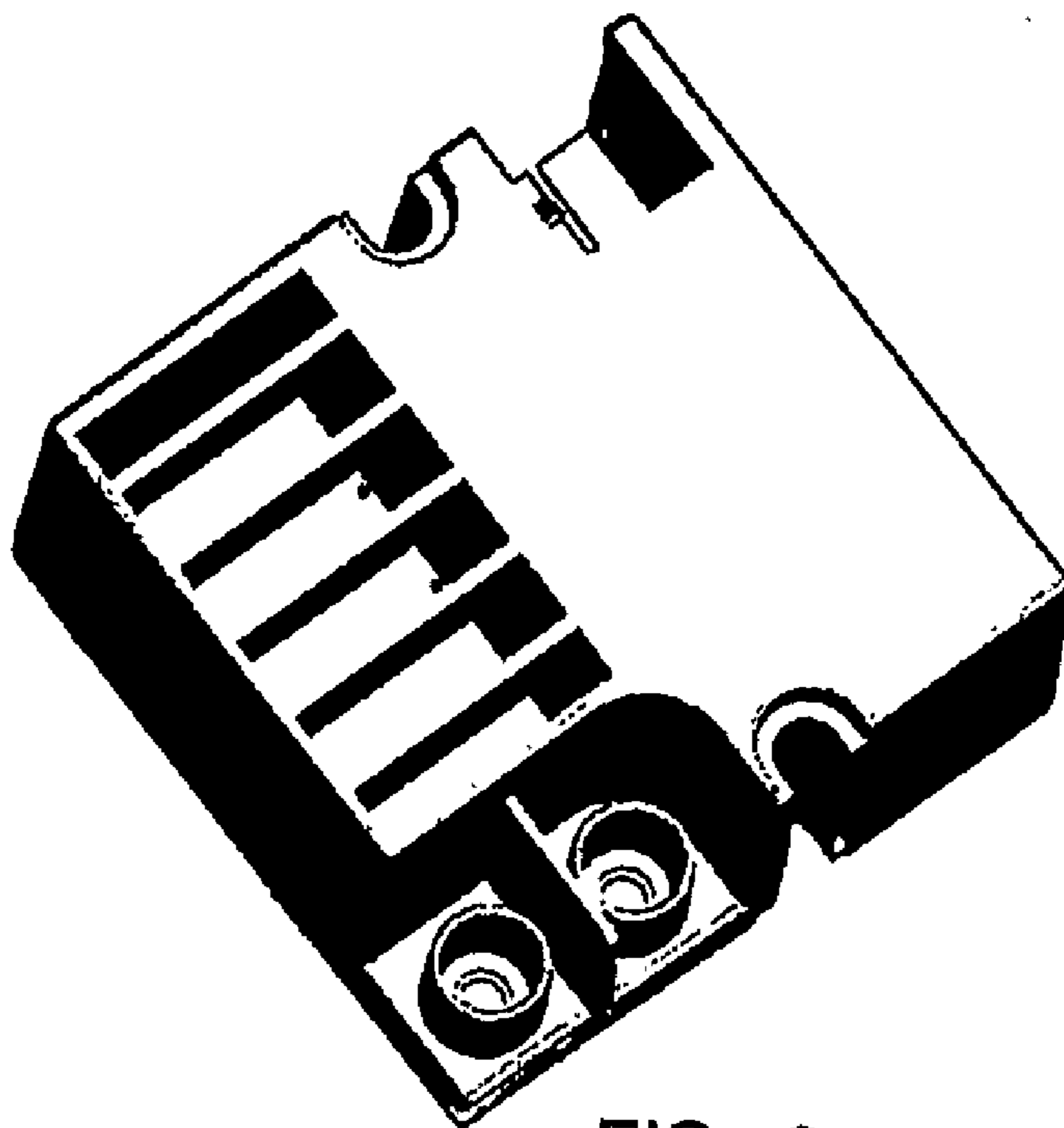


FIG. 2

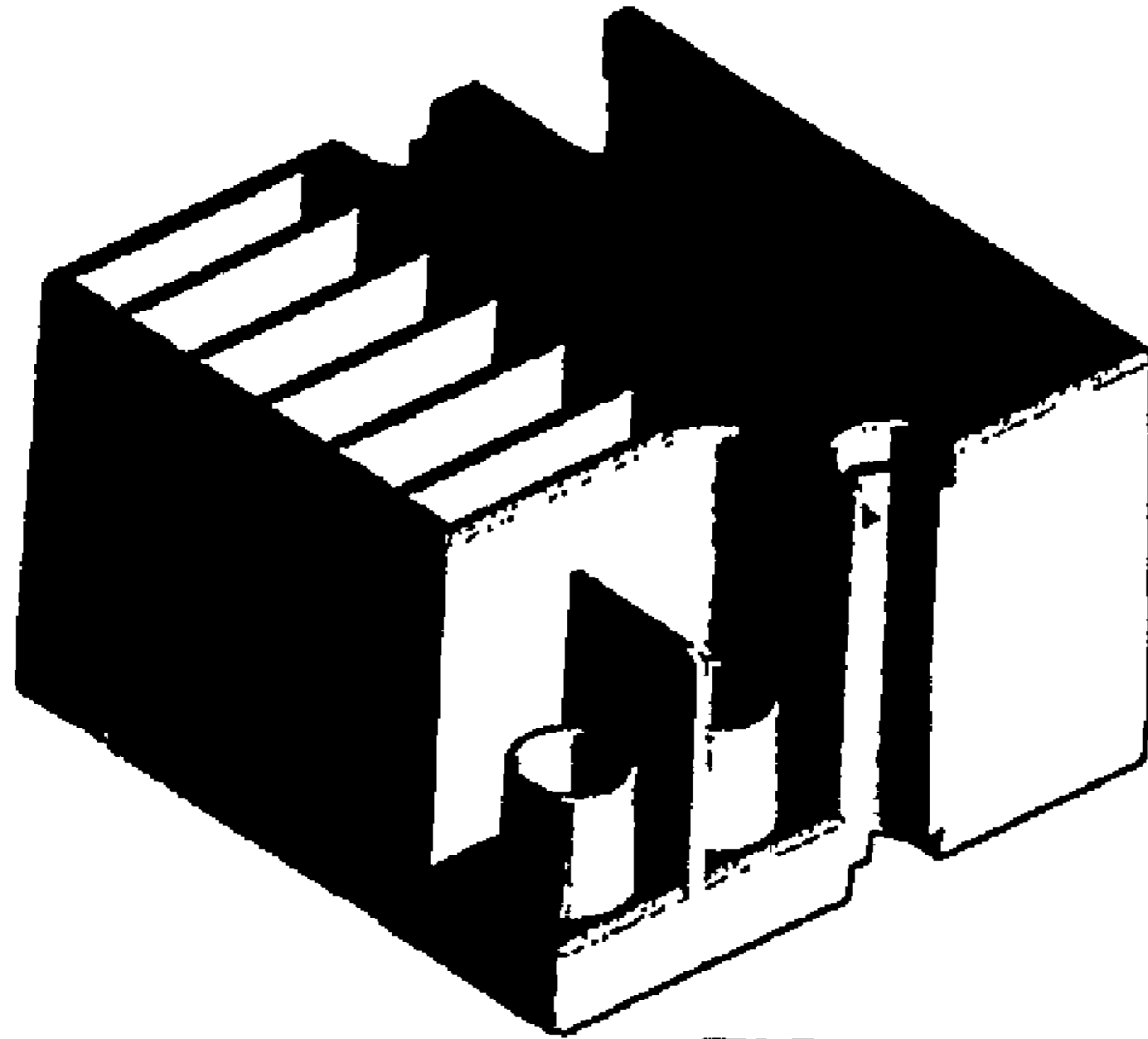


FIG. 3

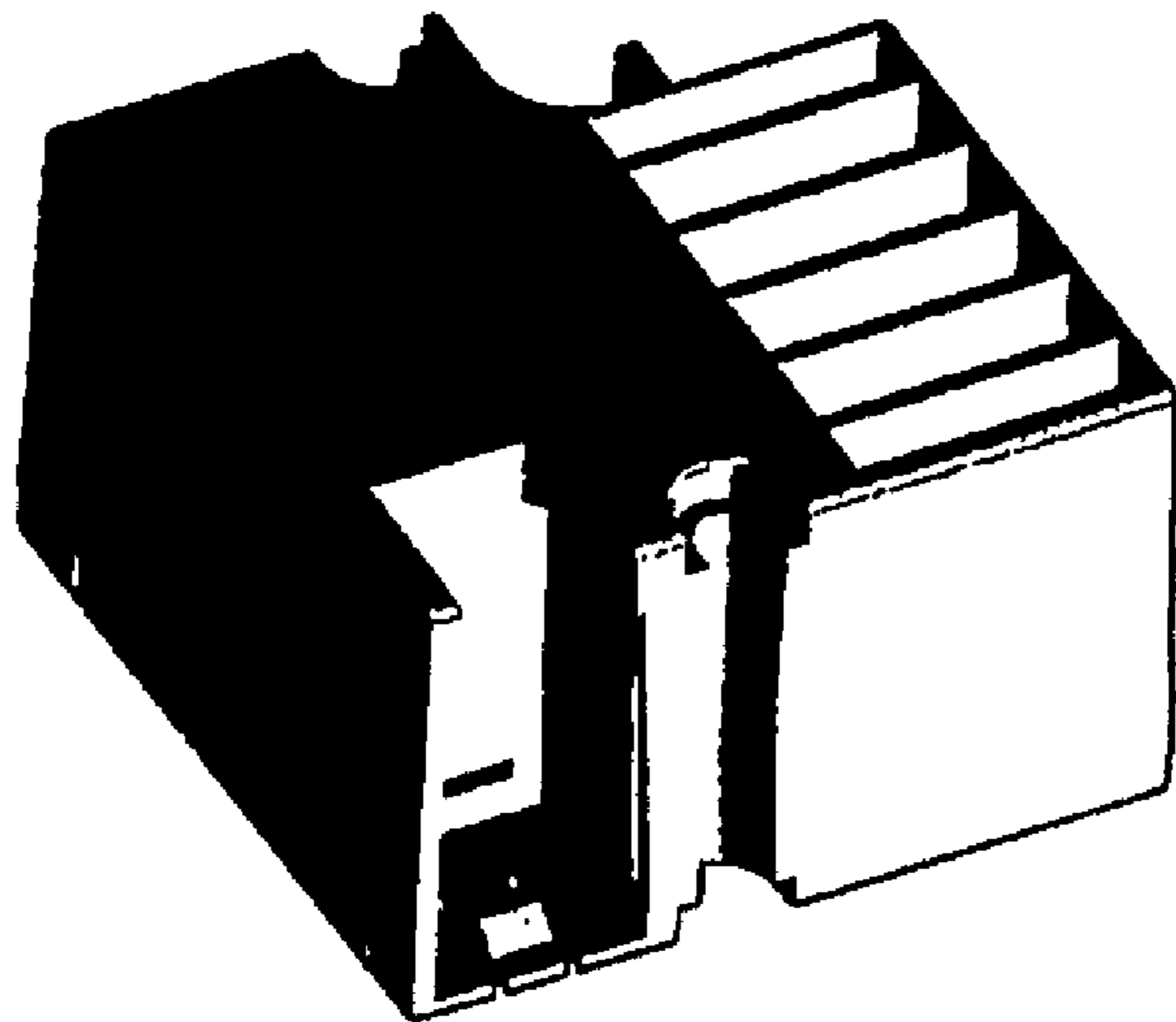


FIG. 4

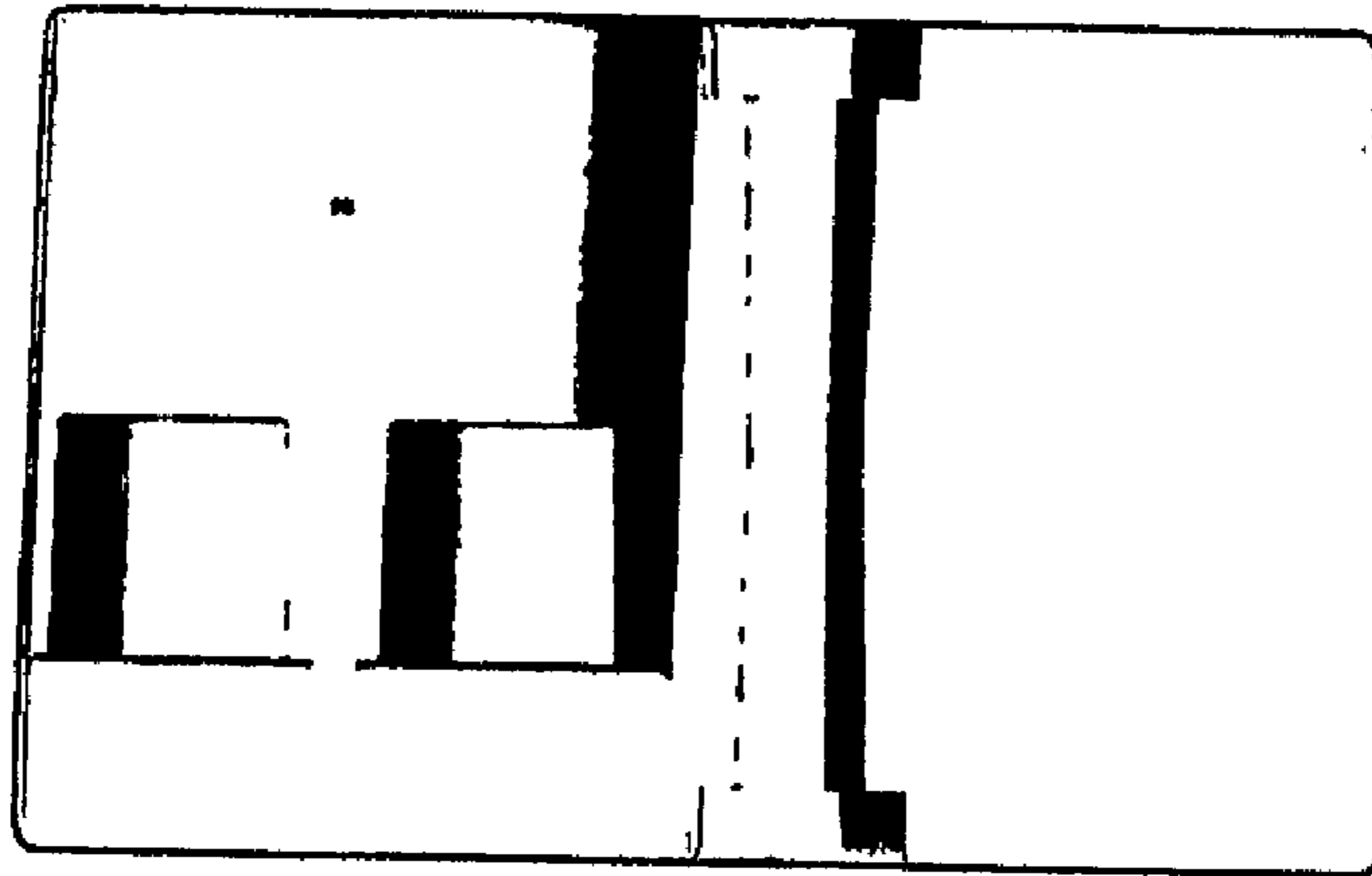


FIG. 5

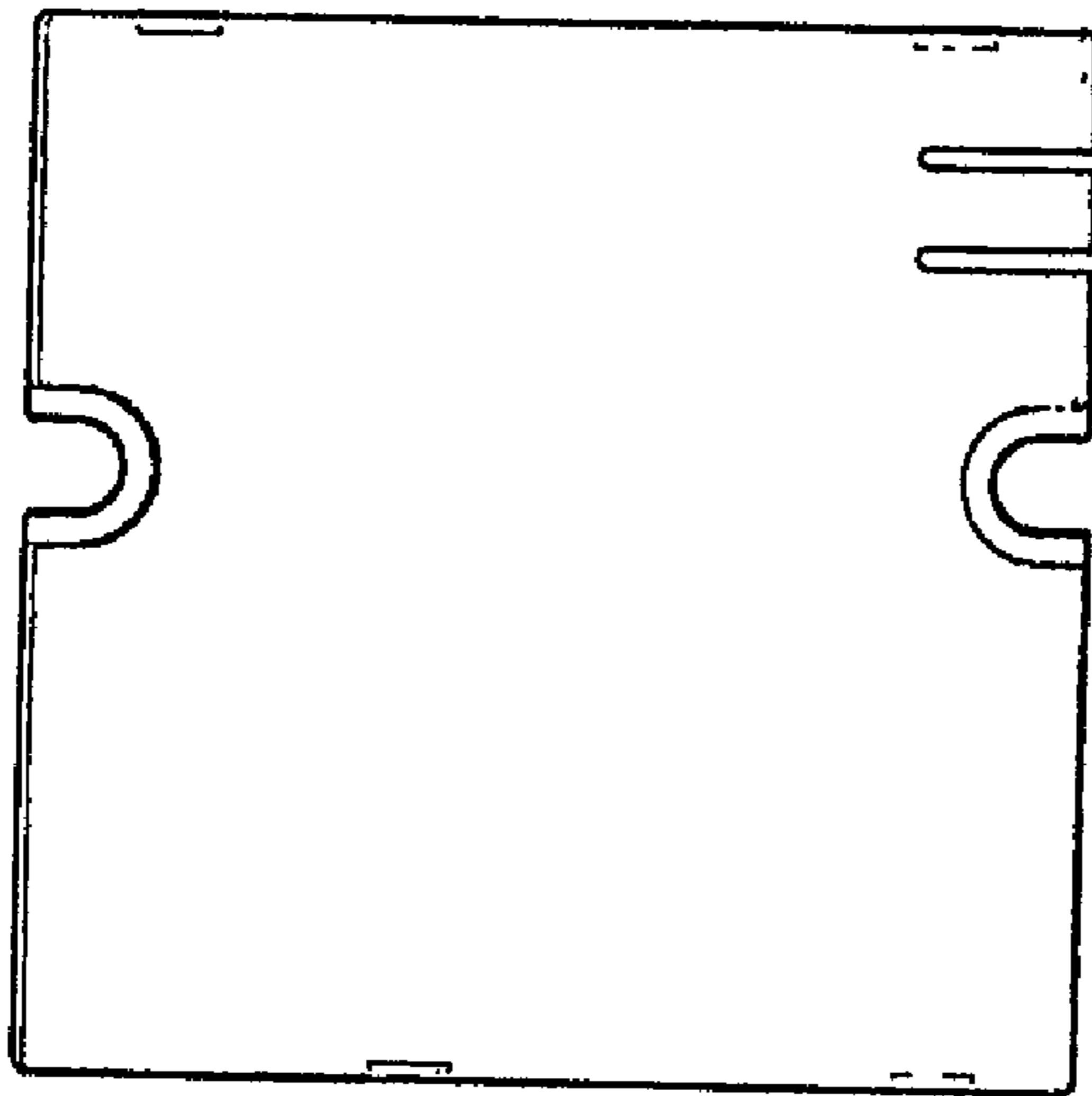


FIG. 6

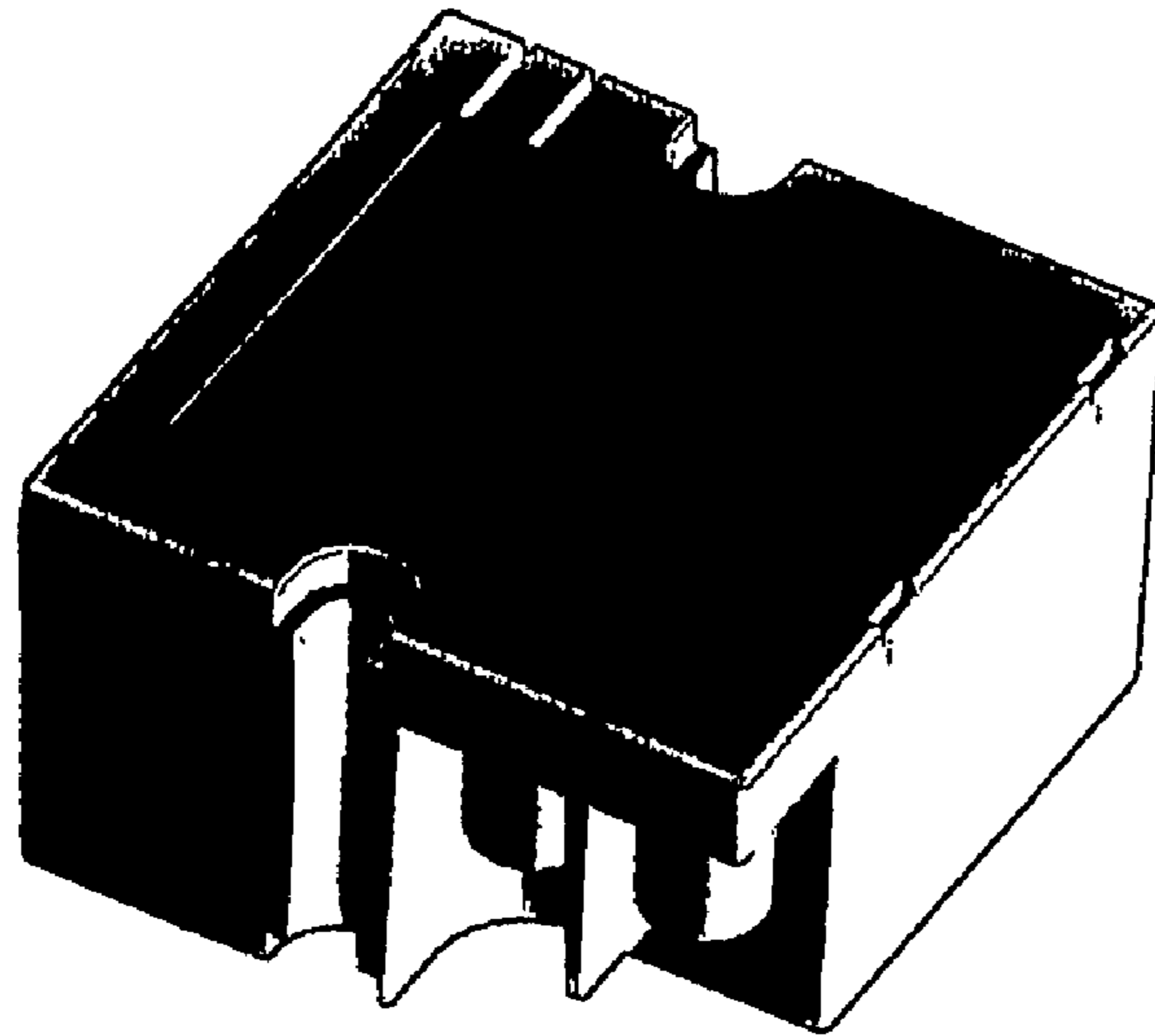


FIG. 7

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : Des. 542,403 S
APPLICATION NO. : 29/244776
DATED : May 8, 2007
INVENTOR(S) : Aksel Sundwall

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page.

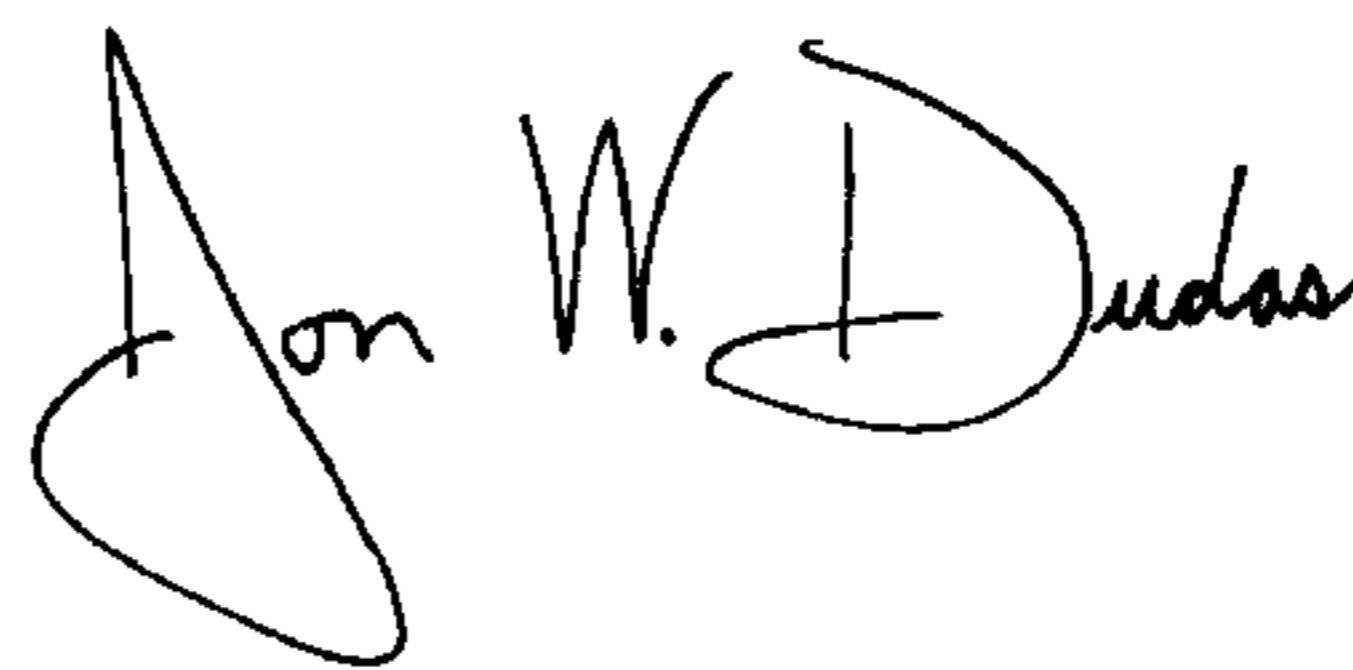
Item (30) should read:

Foreign Application Priority Data

Jun. 15, 2005 (EU)000359161

Signed and Sealed this

First Day of January, 2008



JON W. DUDAS

Director of the United States Patent and Trademark Office

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : Des. 542,403 S
APPLICATION NO. : 29/244776
DATED : May 8, 2007
INVENTOR(S) : Sundwall

Page 1 of 6

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page showing the illustrative figure should be deleted and substitute with the attached title page.

The drawing sheet, consisting of Fig. 1 – 7, should be deleted and replaced with drawing sheet, consisting of Fig. 1 – 7, as shown on the attached page.

This certificate supersedes the Certificate of Correction issued December 4, 2007.

Signed and Sealed this

Seventeenth Day of March, 2009



JOHN DOLL
Acting Director of the United States Patent and Trademark Office

(12) **United States Design Patent**
Sundwall

(10) **Patent No.:** **US D542,403 S**
(45) **Date of Patent:** **** May 8, 2007**

(54) **HOUSING FOR IGNITION UNIT FOR GAS AND OIL BURNERS**

(75) **Inventor:** **Aksel Sundwall, Nordborg (DK)**

(73) **Assignee:** **Danfoss A/S, Nordborg (DK)**

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

(21) **Appl. No.:** **29/244,776**

(22) **Filed:** **Dec. 14, 2005**

(30) **Foreign Application Priority Data**

Jun. 15, 2005 (EU) 000359161

(51) **LOC (8) CL** **23-03**

(52) **U.S. CL** **D23/386**

(58) **Field of Classification Search** D23/386,
D23/402, 415, 416, 418, 421, 322; 431/264,
431/277, 208, 263, 258, 128, 43, 266; 126/116 R,
126/114, 39 E, 110 R; 237/48, 53; 123/634;
336/90

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D173,463 S	*	11/1954	Sherman	.....	D23/416
3,117,619 A	*	1/1964	Lange et al.	.....	431/43
3,421,825 A	*	1/1969	Maycock	.....	431/208
3,490,857 A	*	1/1970	Good	.....	431/264
3,523,748 A	*	8/1970	Eannel et al.	.....	431/264
3,534,724 A	*	10/1970	Petz	.....	126/114
3,556,705 A	*	1/1971	Mellet et al.	.....	431/258
4,108,592 A	*	8/1978	Fair	.....	431/128
D256,949 S	*	9/1980	Patel	.....	D23/386
D280,926 S	*	10/1985	Cake et al.	.....	D23/386
5,125,386 A	*	6/1992	De Filippis et al.	.....	123/634
D331,104 S	*	11/1992	Bender	.....	D23/418
5,393,224 A	*	2/1995	Allen et al.	.....	431/266
D367,703 S	*	3/1996	Myers et al.	.....	D23/322

D374,716 S	*	10/1996	Anderson et al.	.....	D23/415
5,741,129 A	*	4/1998	Li	.....	431/264
6,012,443 A	*	1/2000	Peug	.....	126/39 E
6,545,581 B1	*	4/2003	Munsch et al.	.....	336/90
2005/0042564 A1	*	2/2005	Suyama et al.	.....	431/264
2005/0263148 A1	*	12/2005	Rand	.....	126/110 R
2006/0213499 A1	*	9/2006	Alphs et al.	.....	126/116 R

* cited by examiner

Primary Examiner - Louis Zarfas

Assistant Examiner - David Muller

(74) *Attorney, Agent, or Firm* - McCormick, Paulding & Huber LLP

(57) **CLAIM**

What is claimed is the new, original and ornamental design for a housing for ignition unit for gas and oil burners or the like, as shown in FIGS. 1 through 7.

DESCRIPTION

FIG. 1 is a top plan view of the housing for ignition unit for gas and oil burners or the like thereof.

FIG. 2 is a perspective view as seen from the top, left hand side and rear of the housing for ignition unit for gas and oil burners.

FIG. 3 is a perspective view as seen from the top, left hand side and rear of the housing for ignition unit for gas and oil burners.

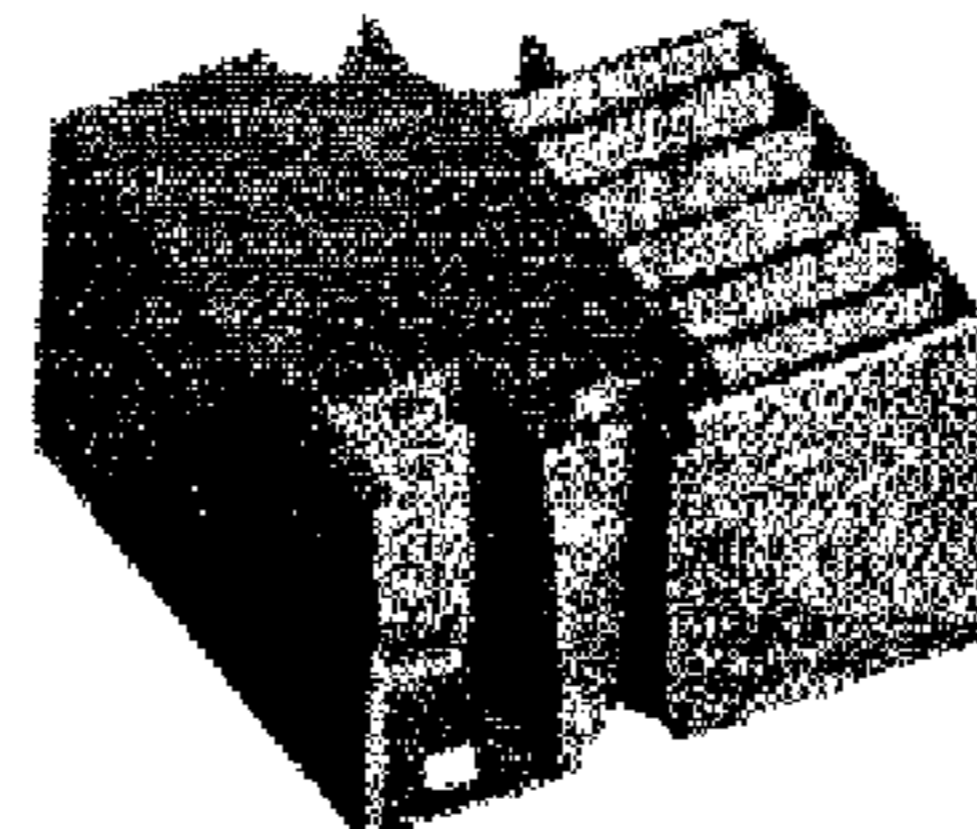
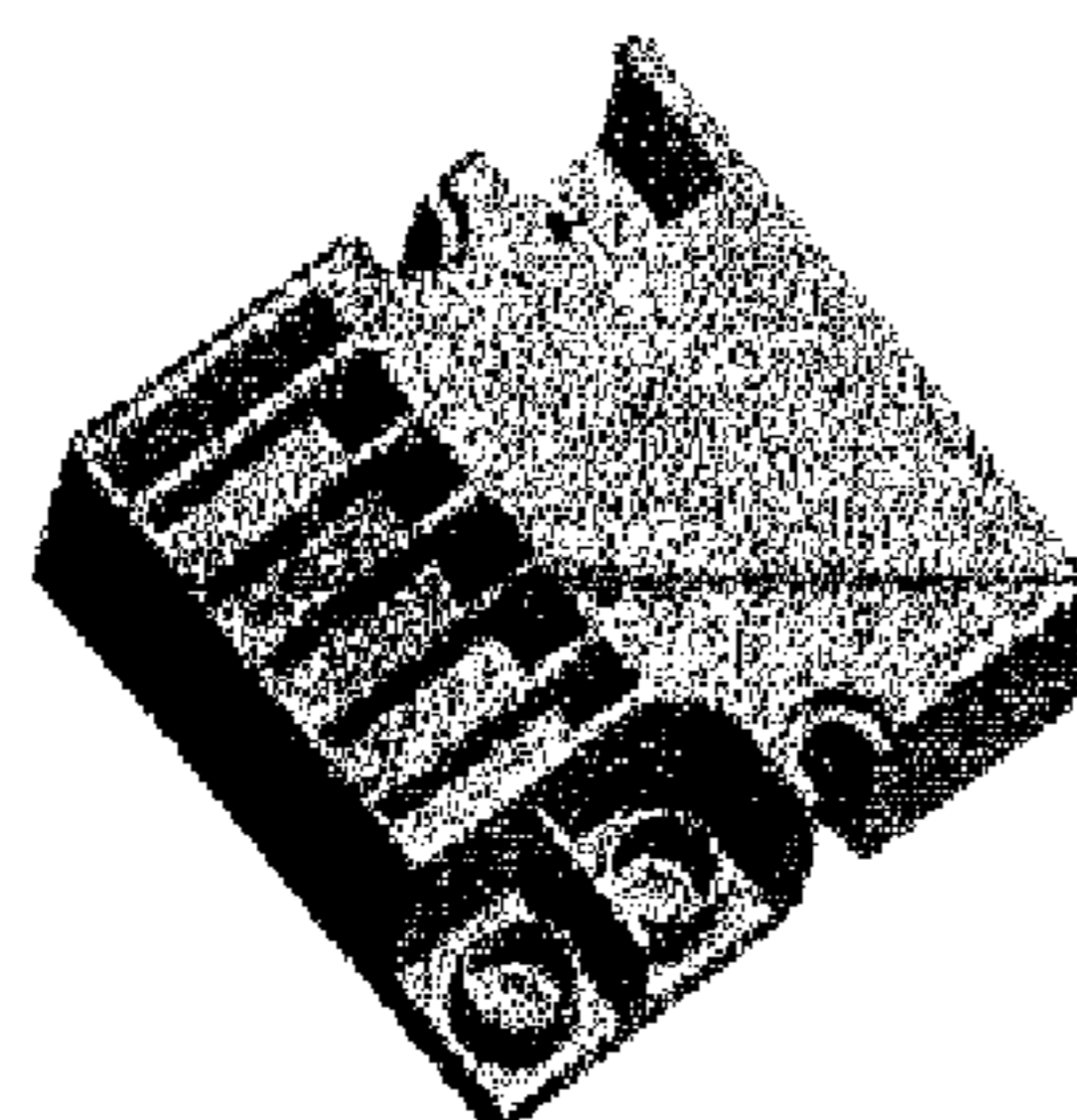
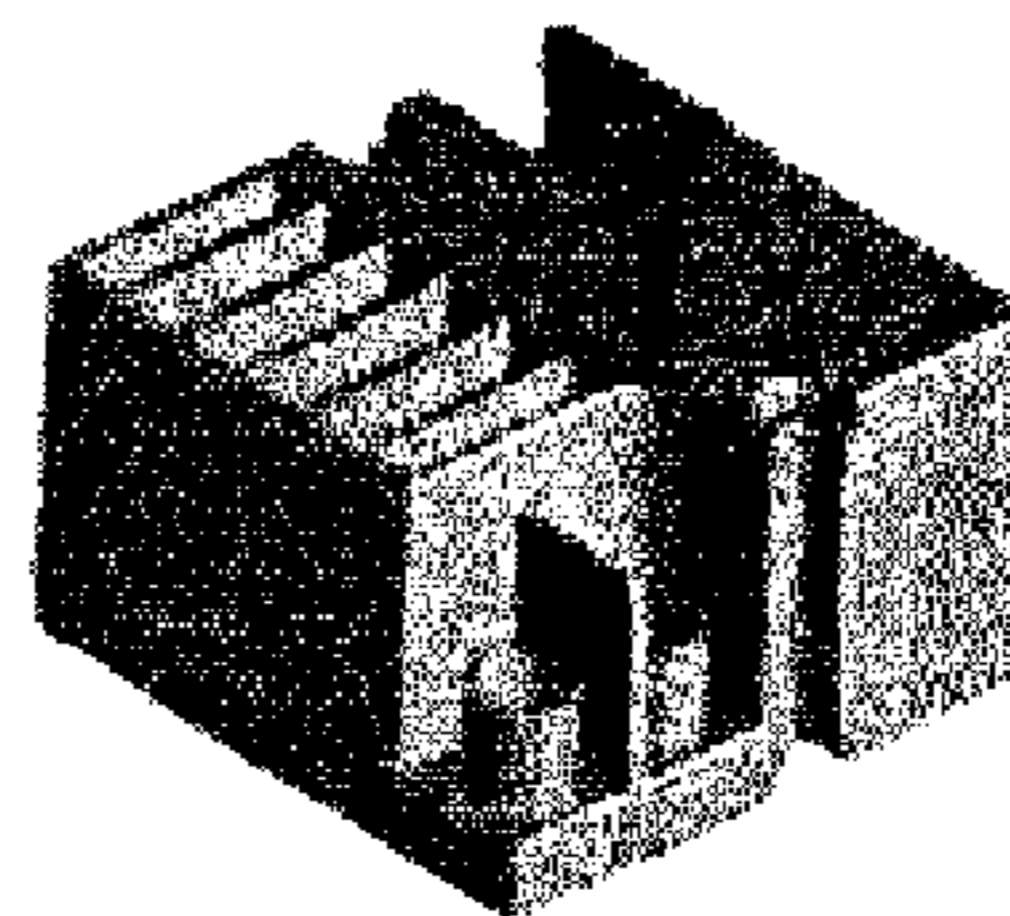
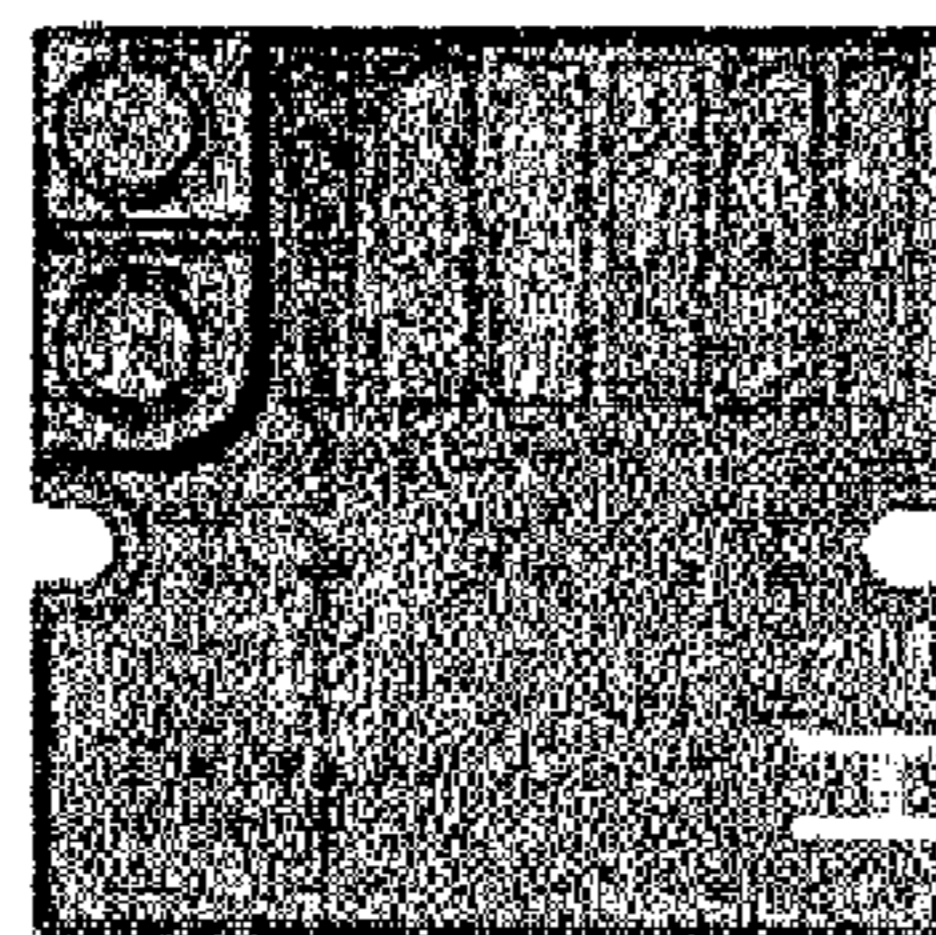
FIG. 4 is a perspective view as seen from the top, right hand side and front of the housing for ignition unit for gas and oil burners.

FIG. 5 is a left hand side view of the housing for ignition unit for gas and oil burners.

FIG. 6 is a bottom view of the housing for ignition unit for gas and oil burners; and,

FIG. 7 is a perspective view as seen from the bottom, left hand side and rear of the housing for ignition unit for gas and oil burners.

1 Claim, 4 Drawing Sheets



U.S. Patent

May 8, 2007

Sheet 1 of 4

D542,403 S

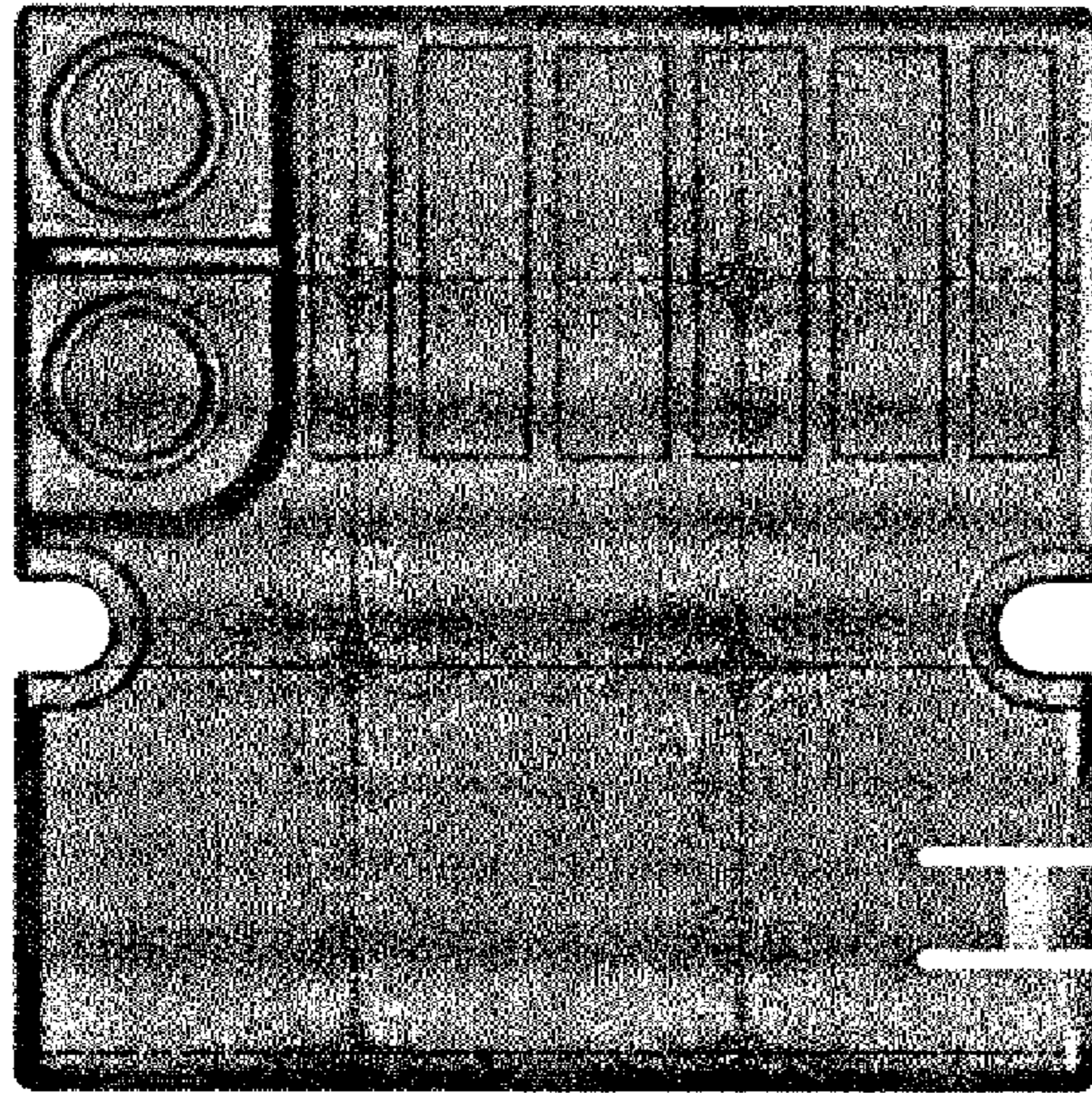


FIG. 1

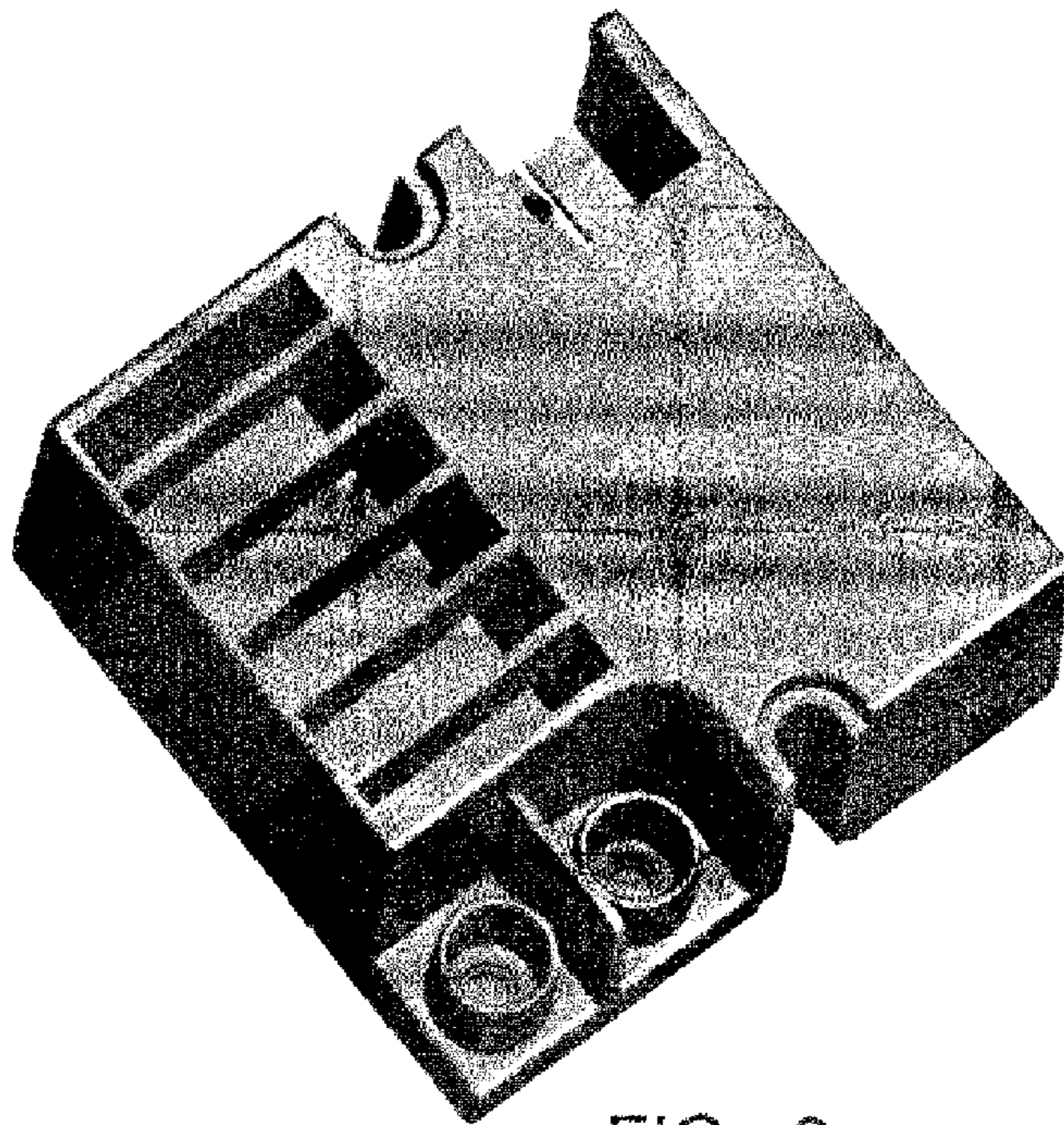


FIG. 2

U.S. Patent

May 8, 2007

Sheet 2 of 4

D542,403 S

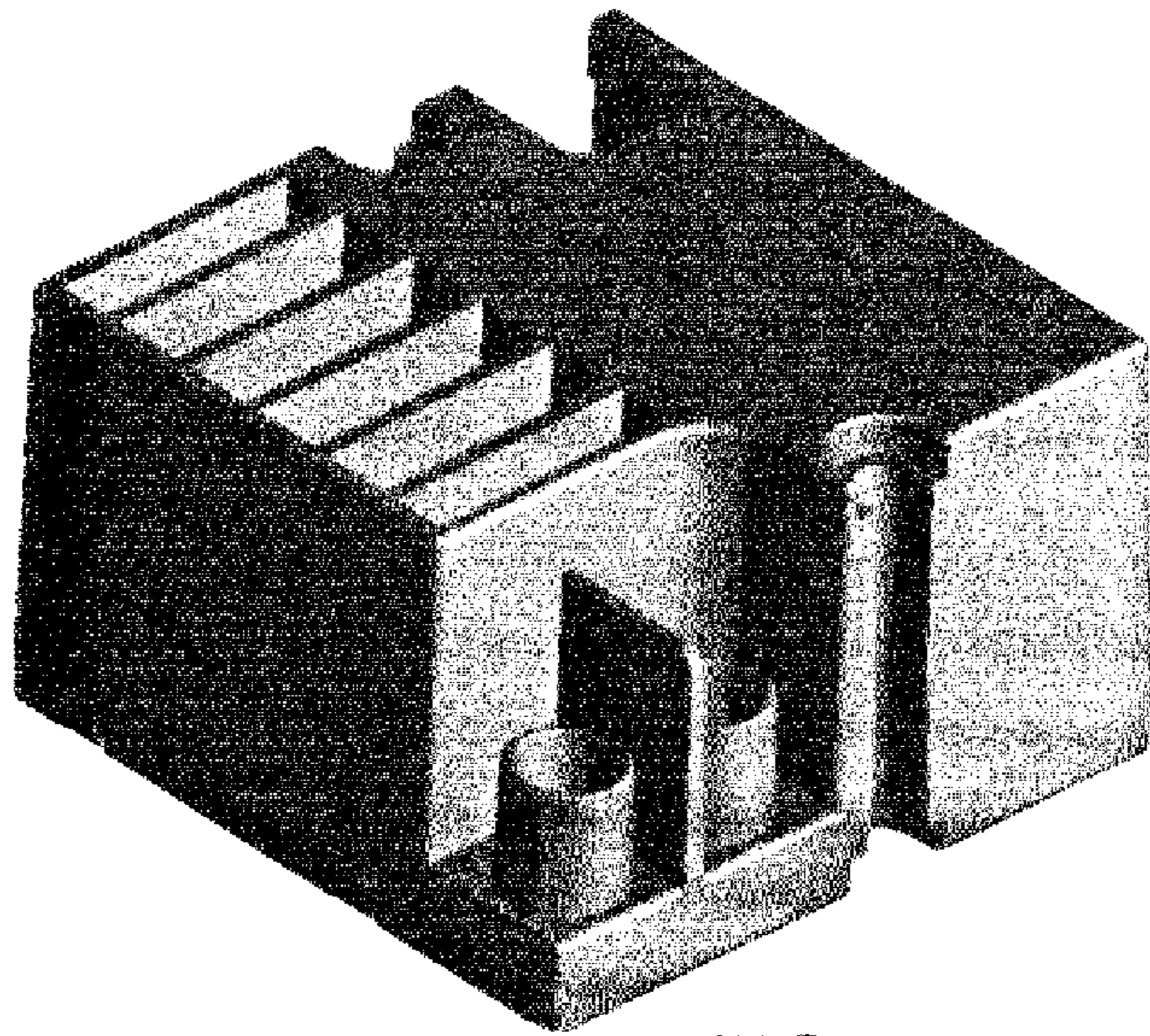


FIG. 3

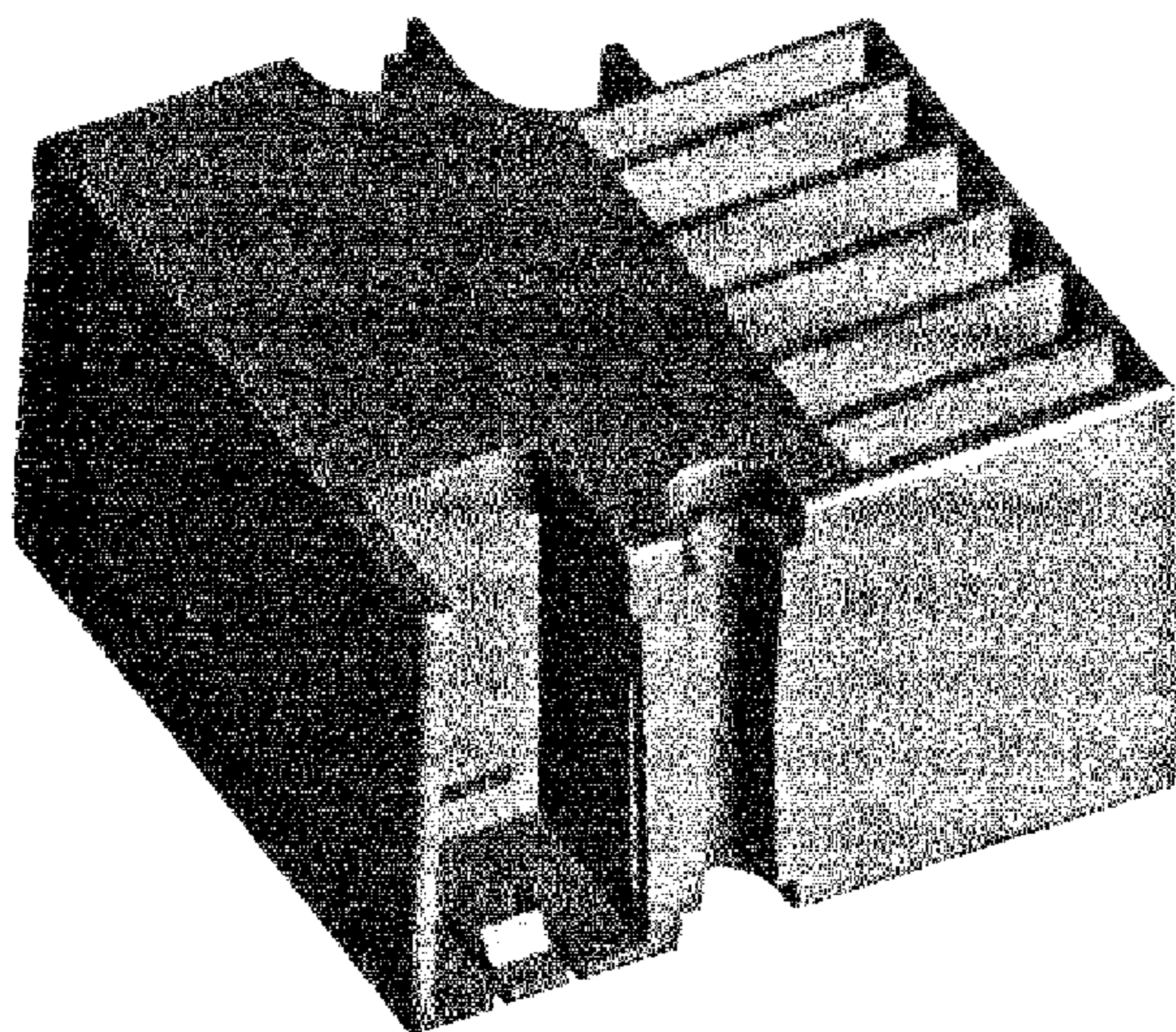


FIG. 4

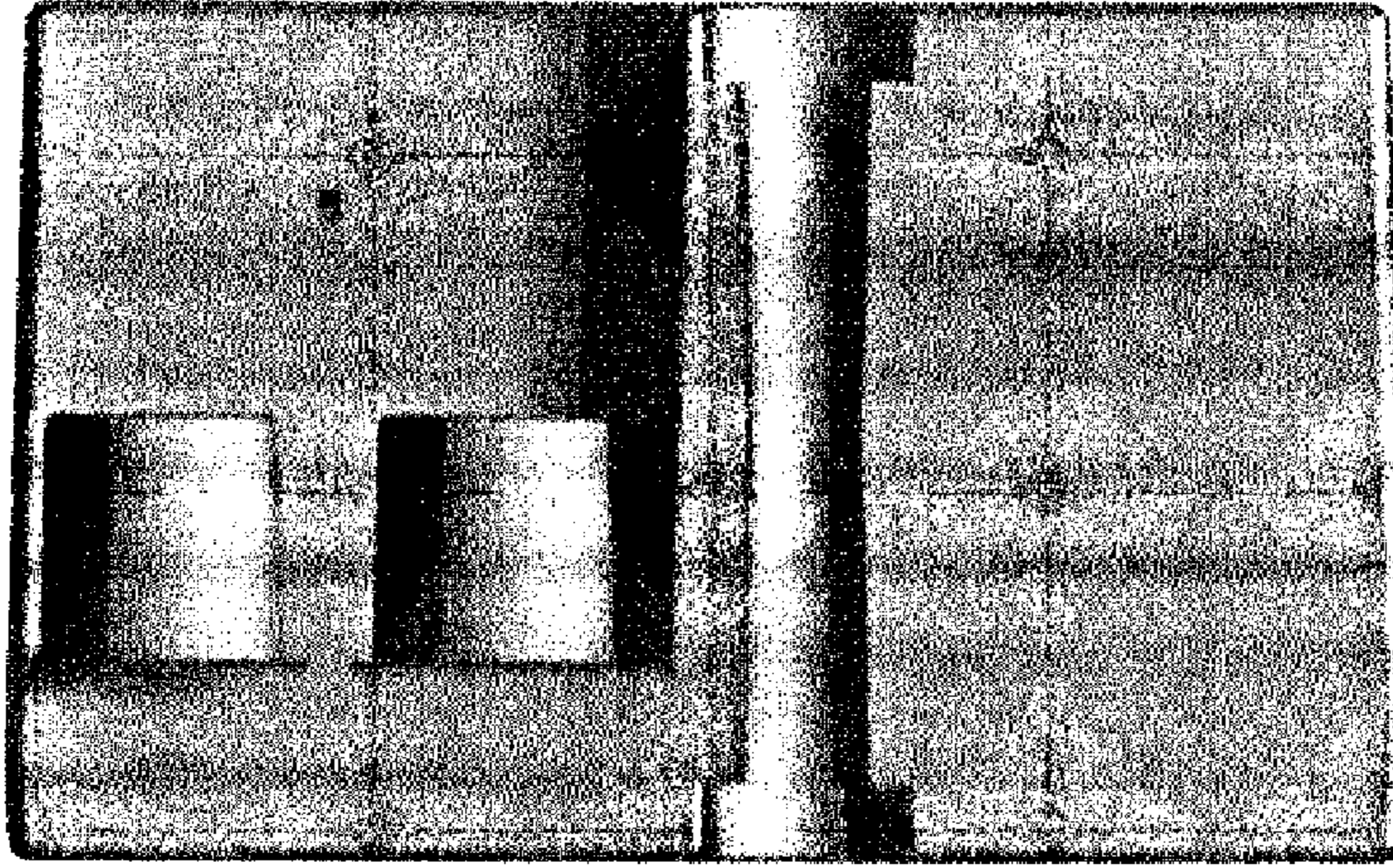


FIG. 5

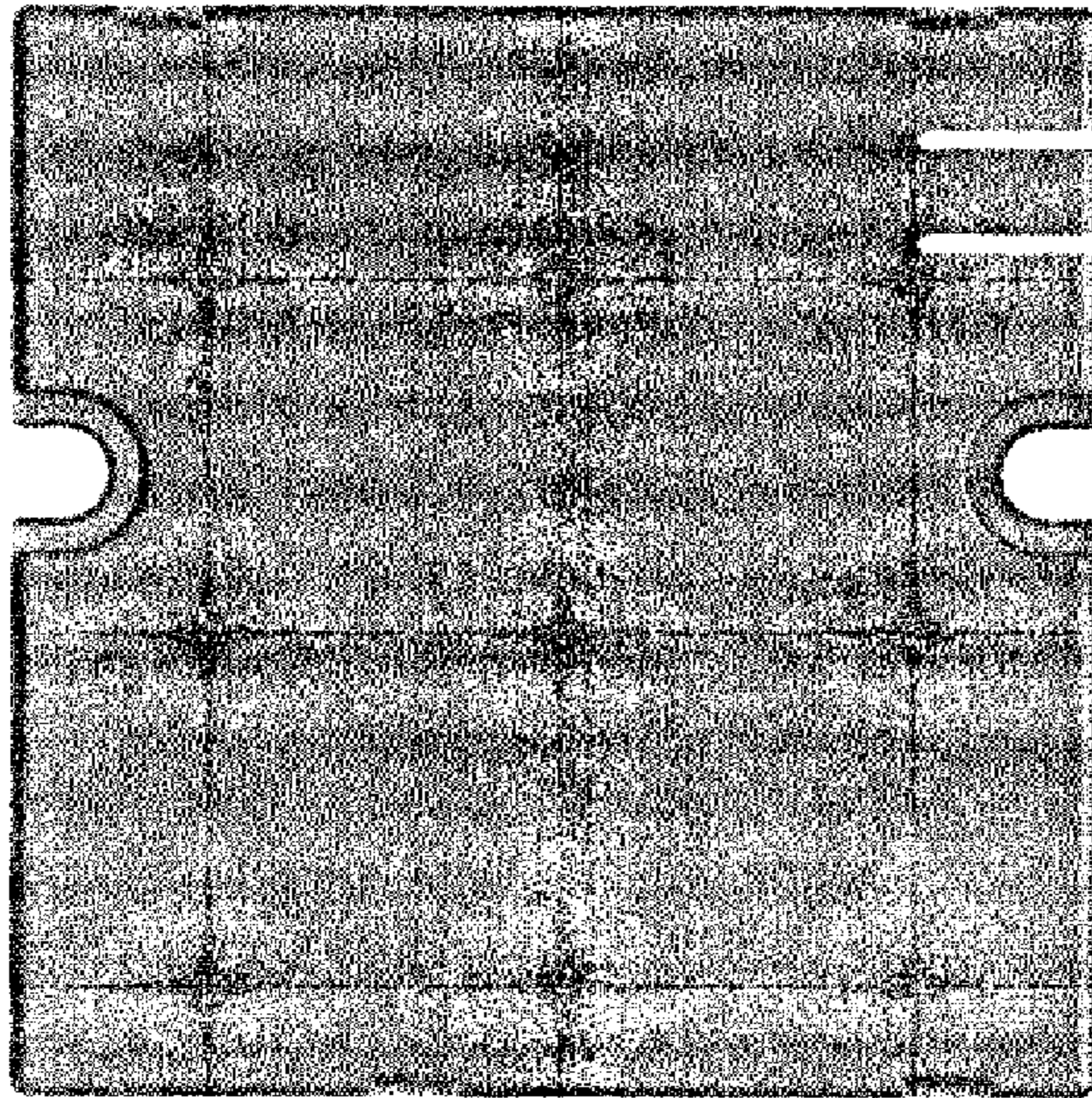


FIG. 6

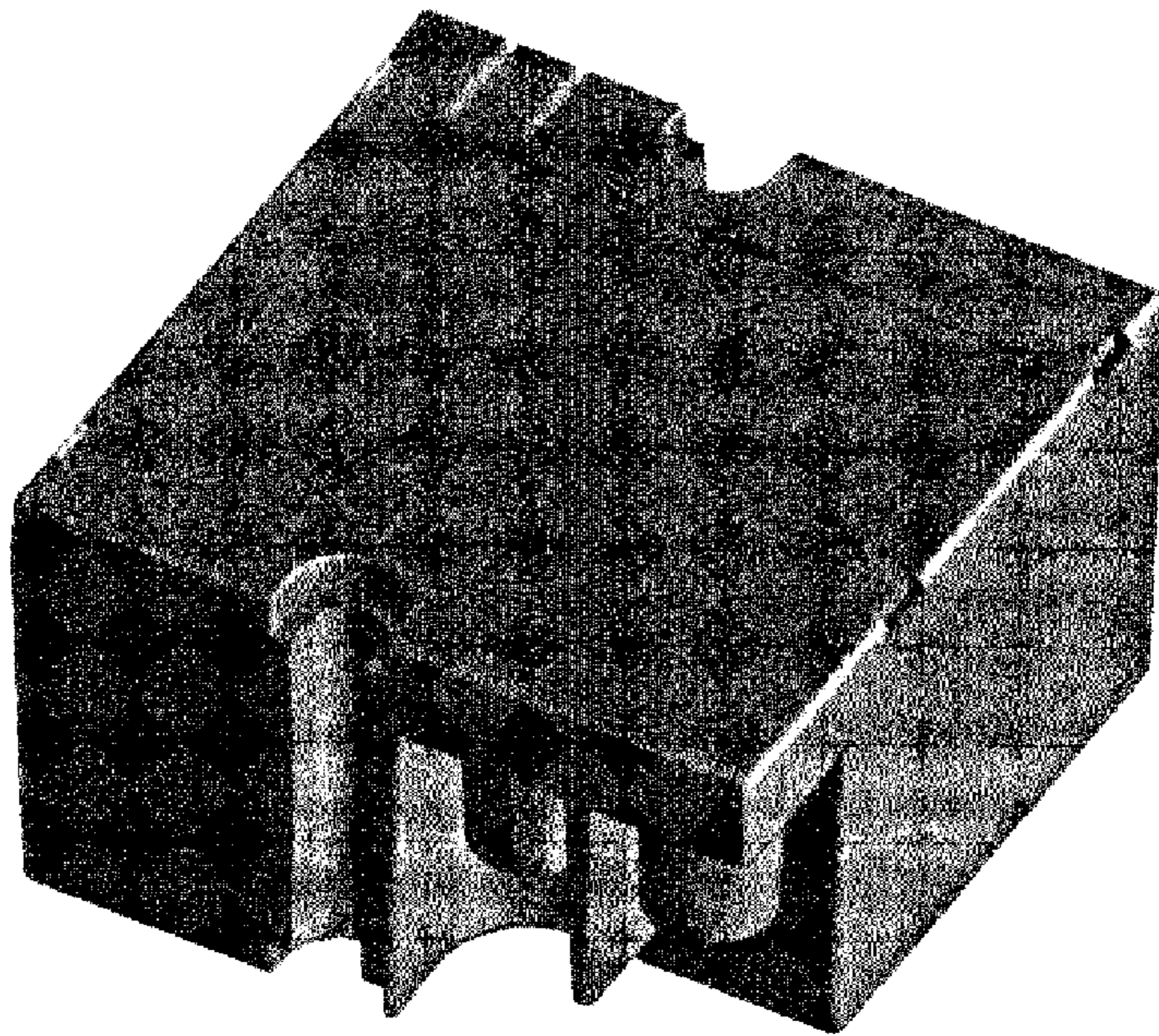


FIG. 7