



US00D717745S

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

(10) **Patent No.:** **US D717,745 S**
(45) **Date of Patent:** **** Nov. 18, 2014**

- (54) **HEAT SINK**
- (71) Applicant: **Alpoint Technologies, LLC**, San Rafael, CA (US)
- (72) Inventor: **Carl Aake Henrik Schubert**, San Rafael, CA (US)
- (73) Assignee: **Alpoint Technologies, LLC**, San Rafael, CA (US)
- (**) Term: **14 Years**
- (21) Appl. No.: **29/472,279**
- (22) Filed: **Nov. 11, 2013**

Related U.S. Application Data

- (62) Division of application No. 29/422,778, filed on May 23, 2012, now Pat. No. Des. 698,740.

(30) **Foreign Application Priority Data**

Dec. 1, 2011 (EM) 001955980-0001
 Dec. 1, 2011 (EM) 001955980-0002
 Dec. 1, 2011 (EM) 001955980-0003

- (51) **LOC (10) Cl.** **13-03**
- (52) **U.S. Cl.**
USPC **D13/179**

- (58) **Field of Classification Search**
USPC D13/179; 165/80.3, 104.26, 104.33,
165/122, 151, 185; 257/706, 707, 718-722;
361/695, 697, 700, 702, 704, 709, 710,
361/711, 719
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D400,188 S * 10/1998 Chu D13/179
 6,241,006 B1 * 6/2001 Shih 165/80.3

D450,044	S *	11/2001	Lindstrom	.....	D13/179
6,449,152	B1 *	9/2002	Lin	.....	361/697
6,450,248	B1 *	9/2002	Chang	.....	165/80.3
D465,462	S *	11/2002	Hsieh	.....	D13/179
D474,754	S *	5/2003	Tan et al.	.....	D13/179
6,598,667	B1 *	7/2003	Kuo	.....	165/80.3
D481,017	S *	10/2003	Hsia et al.	.....	D13/179
D492,265	S *	6/2004	Chu	.....	D13/179
6,748,656	B2 *	6/2004	Woerner et al.	.....	29/890.03
7,391,615	B2 *	6/2008	Fu et al.	.....	361/704
D573,110	S *	7/2008	Otsuki et al.	.....	D13/179
7,403,394	B2 *	7/2008	Chen	.....	361/704
7,478,667	B2 *	1/2009	Yang	.....	165/80.2
8,081,477	B2 *	12/2011	Yang et al.	.....	361/720
D698,740	S *	2/2014	Schubert	.....	D13/179
2002/0007936	A1 *	1/2002	Woerner et al.	.....	165/80.3
2002/0112846	A1 *	8/2002	Noda et al.	.....	165/80.3
2003/0062151	A1 *	4/2003	Sauciuc et al.	.....	165/185
2006/0175042	A1 *	8/2006	Kuo	.....	165/80.3
2009/0151895	A1 *	6/2009	Liu	.....	165/80.2
2009/0154108	A1 *	6/2009	Guo et al.	.....	361/709

* cited by examiner

Primary Examiner — Selina Sikder

(57) **CLAIM**

The ornamental design for heat sink, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a heat sink showing my new design;
 FIG. 2 is a right side view thereof, the left side view being a mirror image of the right side view;
 FIG. 3 is a front view thereof, the rear view being a mirror image of the front view;
 FIG. 4 is a top view thereof; and,
 FIG. 5 is a bottom view thereof.
 The heat sink is shown broken away in FIGS. 1-5 of the drawing to indicate indeterminate length, it being understood that it has a uniform shape and appearance through its length. Portions or features of the heat sink shown in broken lines form no part of the claimed design.

1 Claim, 4 Drawing Sheets

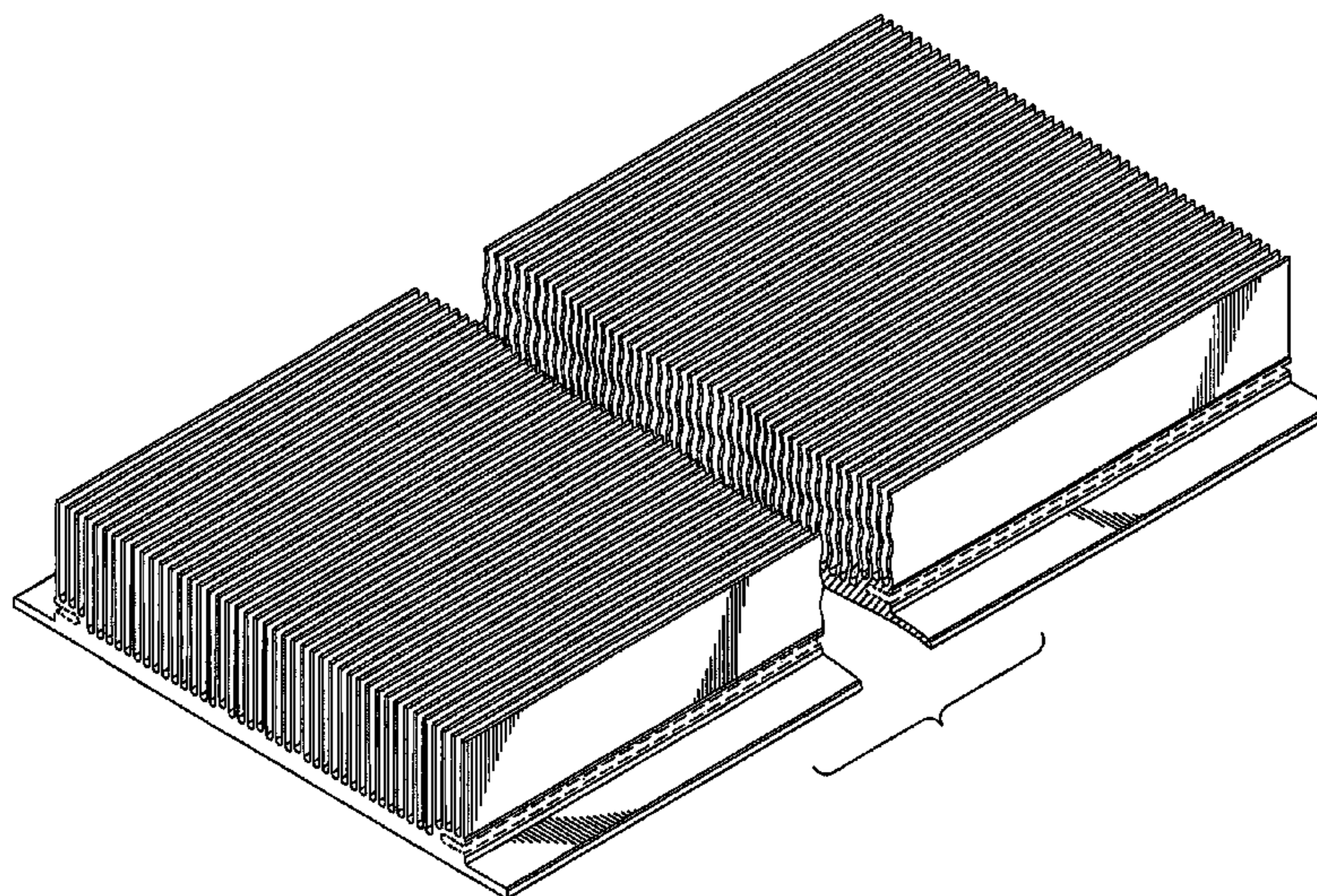


FIG. 1

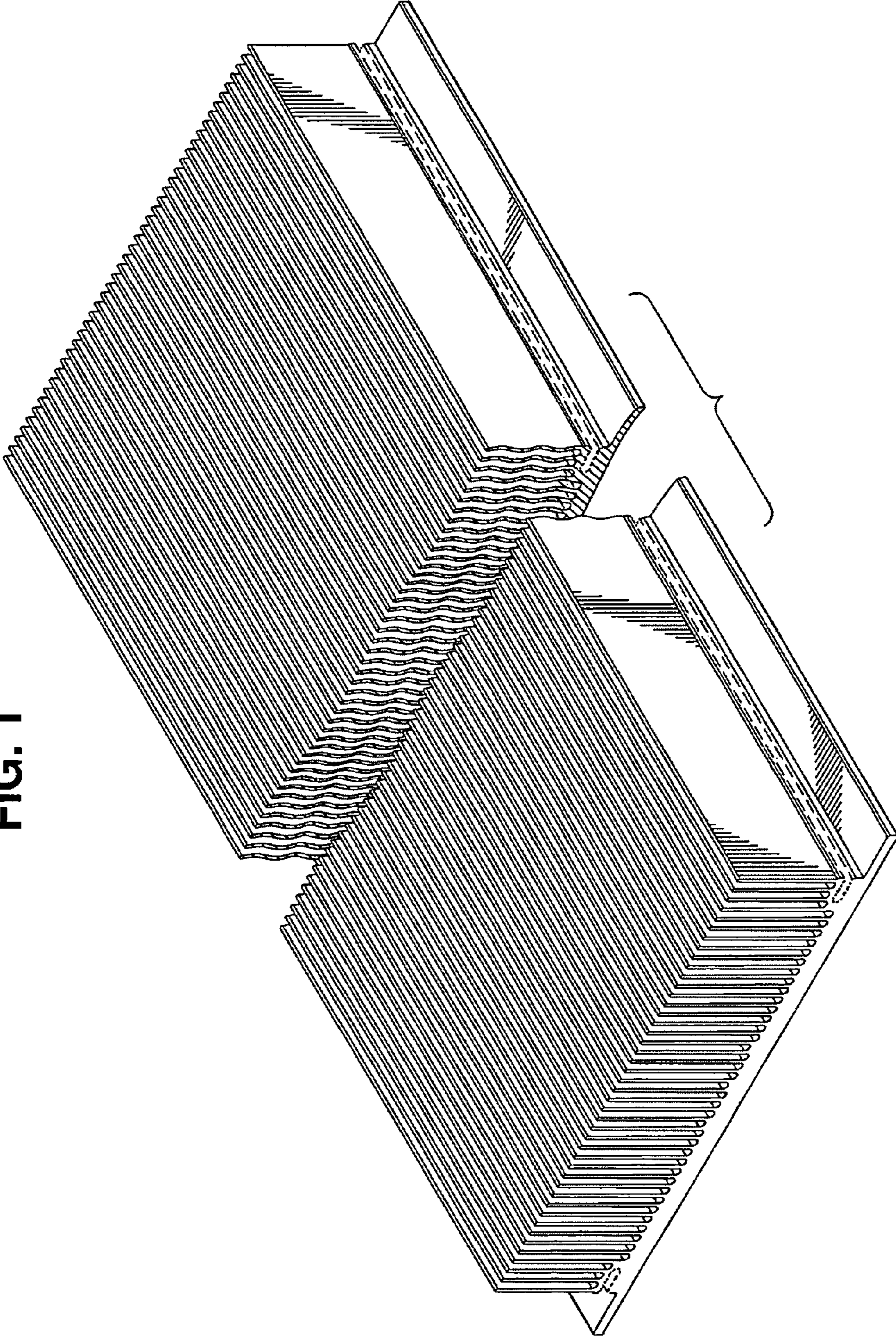


FIG. 2

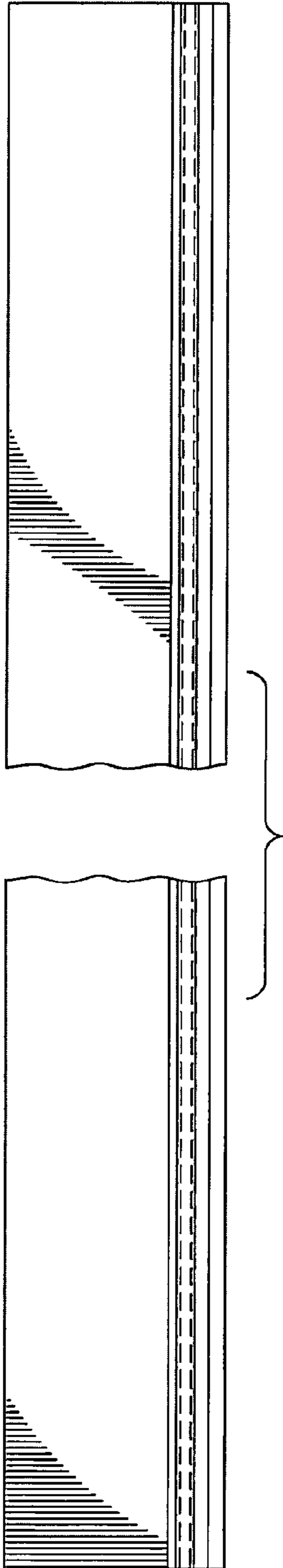
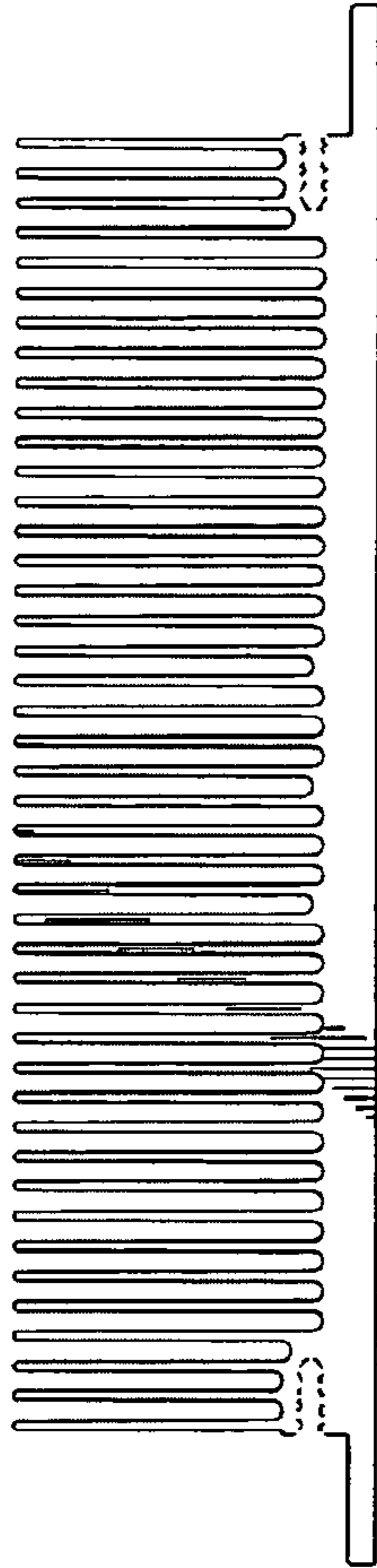


FIG. 3



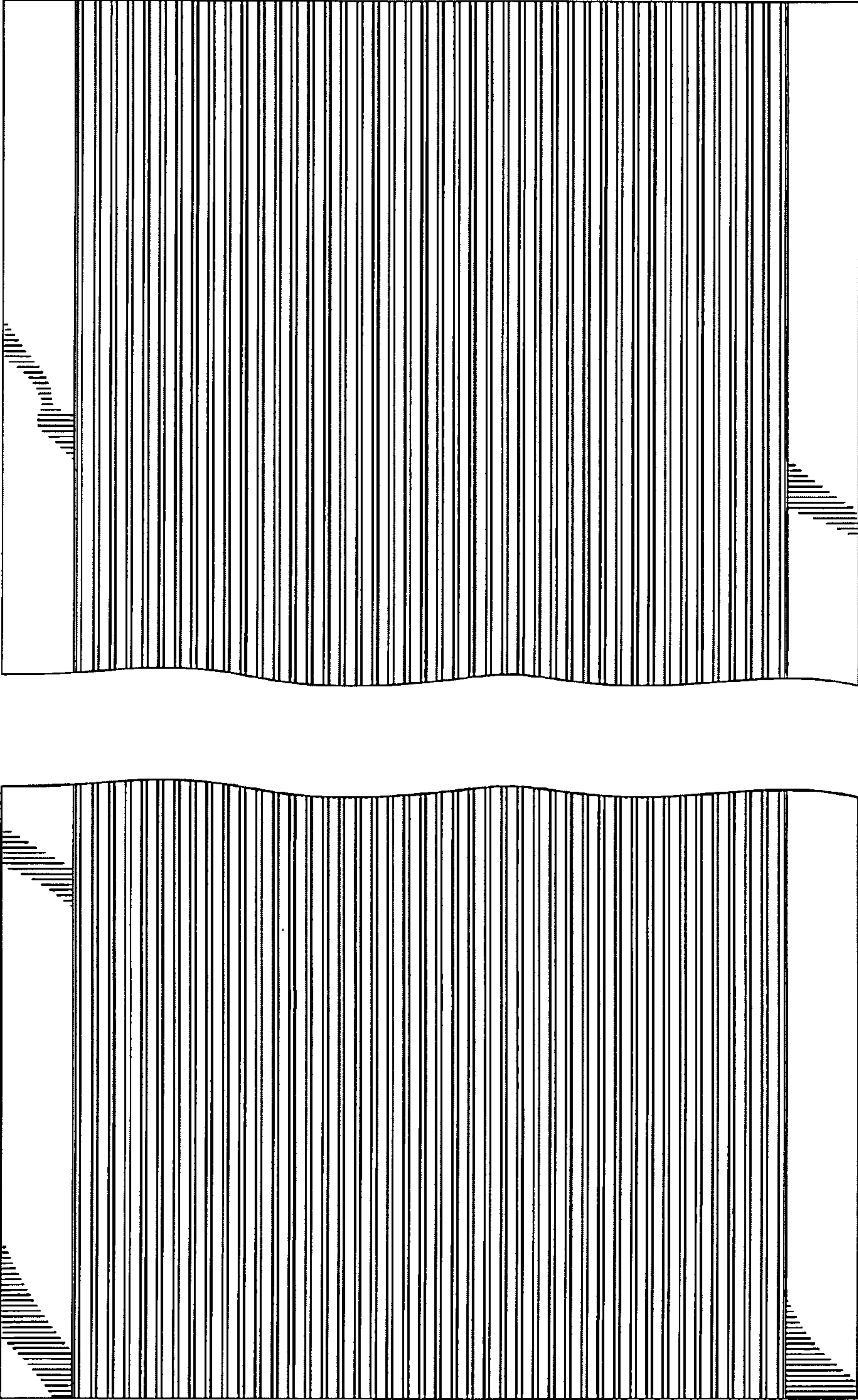


FIG. 4

FIG. 5

