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

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- (54) **HEAT SINK**
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- (\*\*) Term: **14 Years**
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**Related U.S. Application Data**

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- (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;  
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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

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(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**

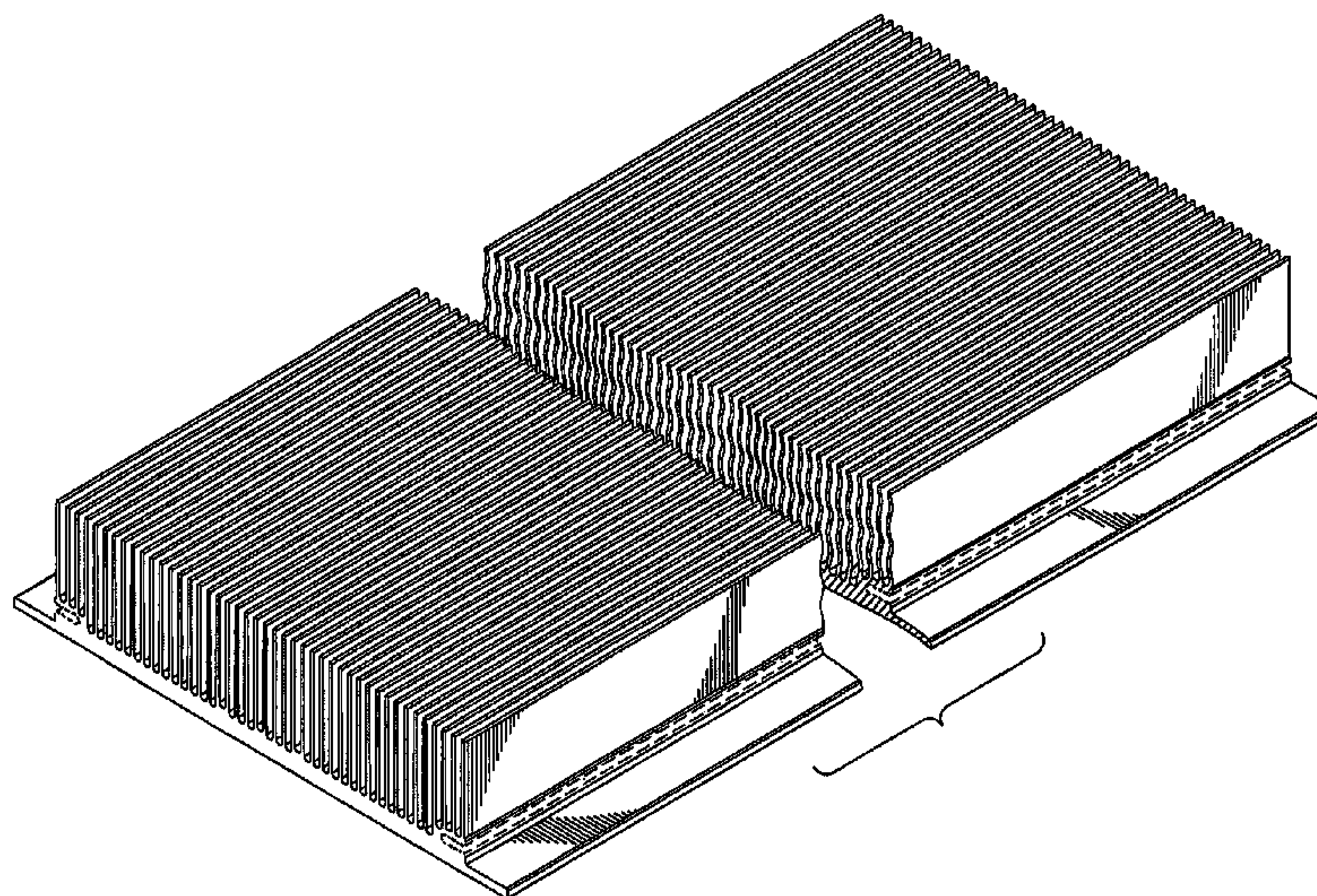




FIG. 1

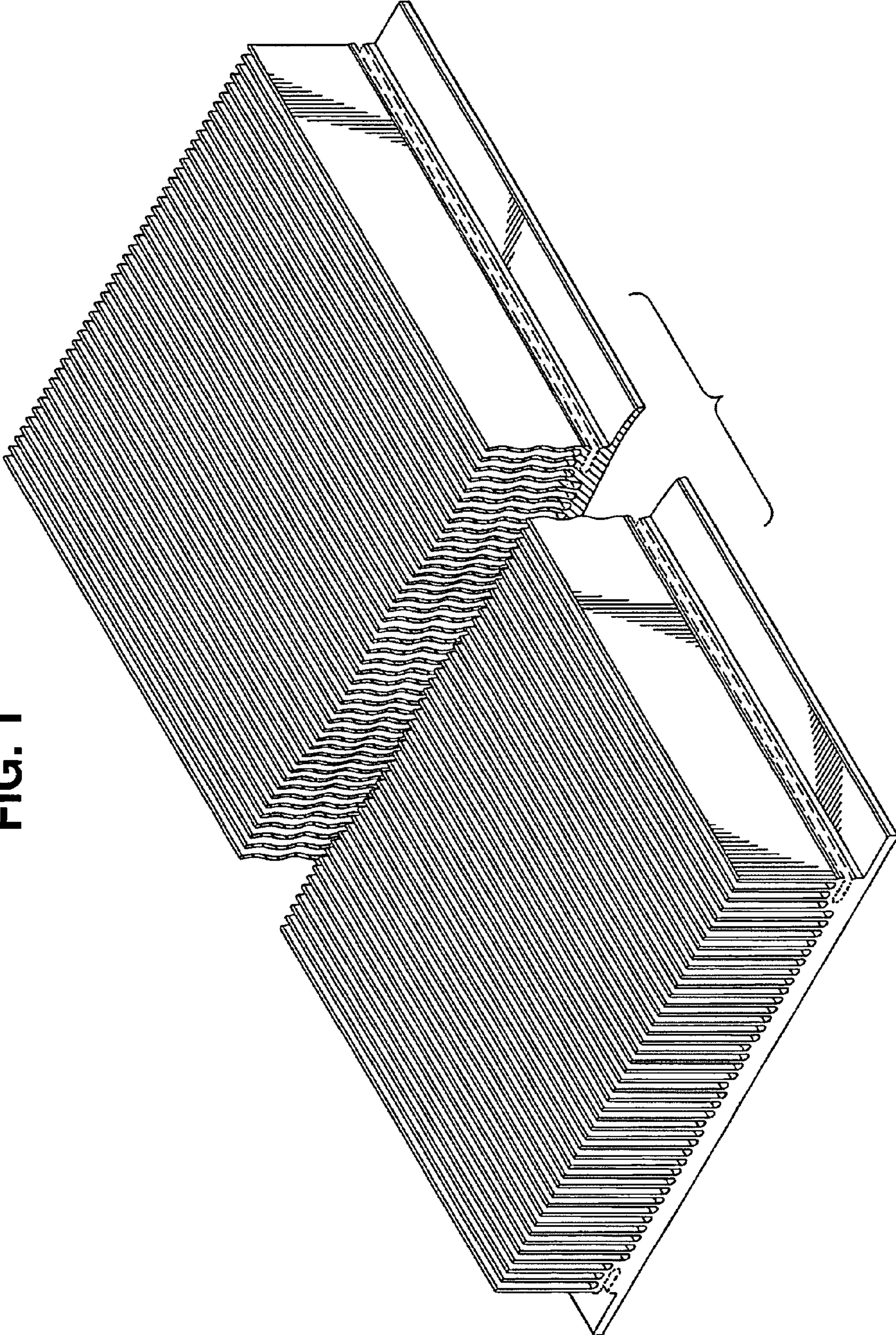


FIG. 2

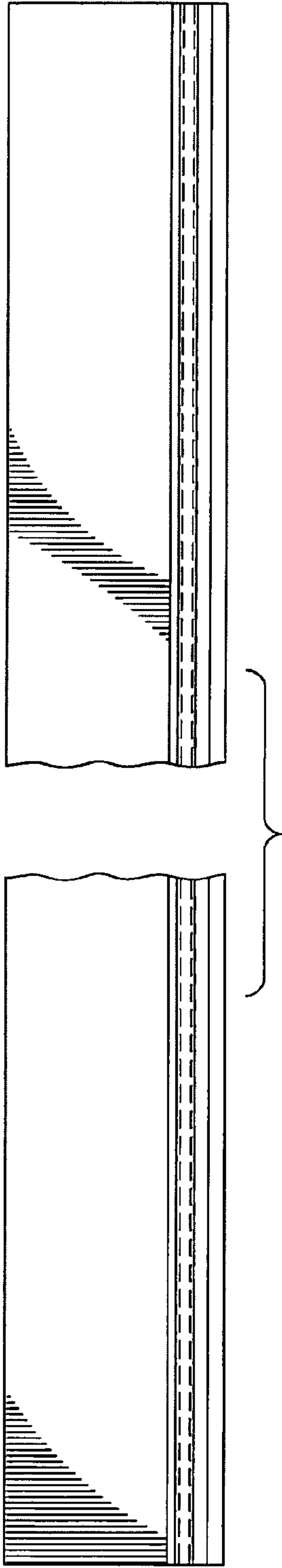
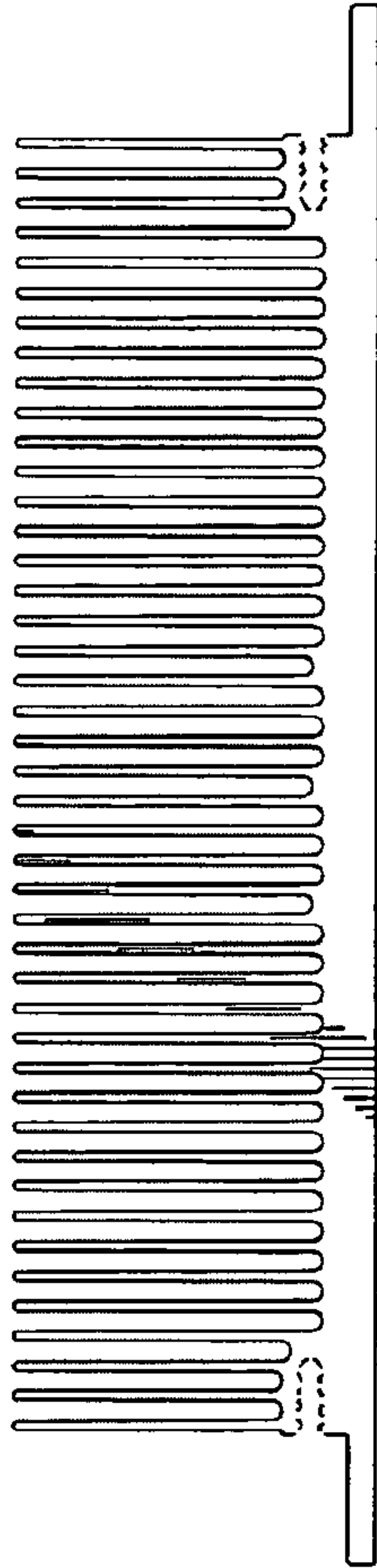


FIG. 3





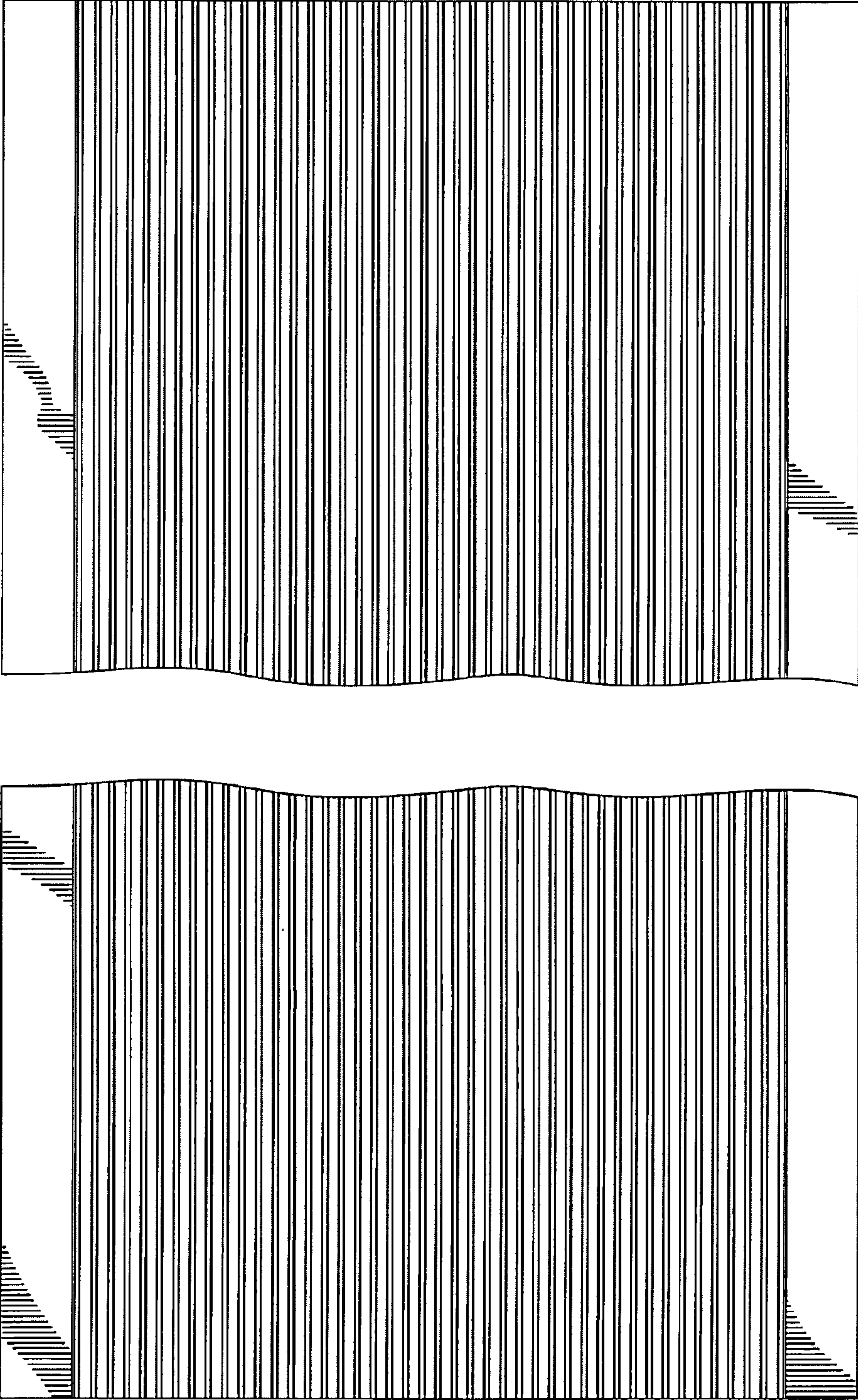


FIG. 4

FIG. 5

