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

(10) **Patent No.:** **US D895,878 S**
(45) **Date of Patent:** **** Sep. 8, 2020**

(54) **ASYMMETRIC LINEAR OPTIC**

DESCRIPTION

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- (**) Term: **15 Years**
- (21) Appl. No.: **29/646,543**
- (22) Filed: **May 4, 2018**
- (51) **LOC (12) Cl.** **26-05**
- (52) **U.S. Cl.**
USPC **D26/74**
- (58) **Field of Classification Search**
USPC D26/27, 24, 72, 74, 75, 76, 78, 80, 81, D26/83

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 3,681,591 A 8/1972 Loch
 - 3,721,818 A 3/1973 Stahlhut
- (Continued)

FOREIGN PATENT DOCUMENTS

- CA 2316123 3/2001
- EP 1925878 5/2008

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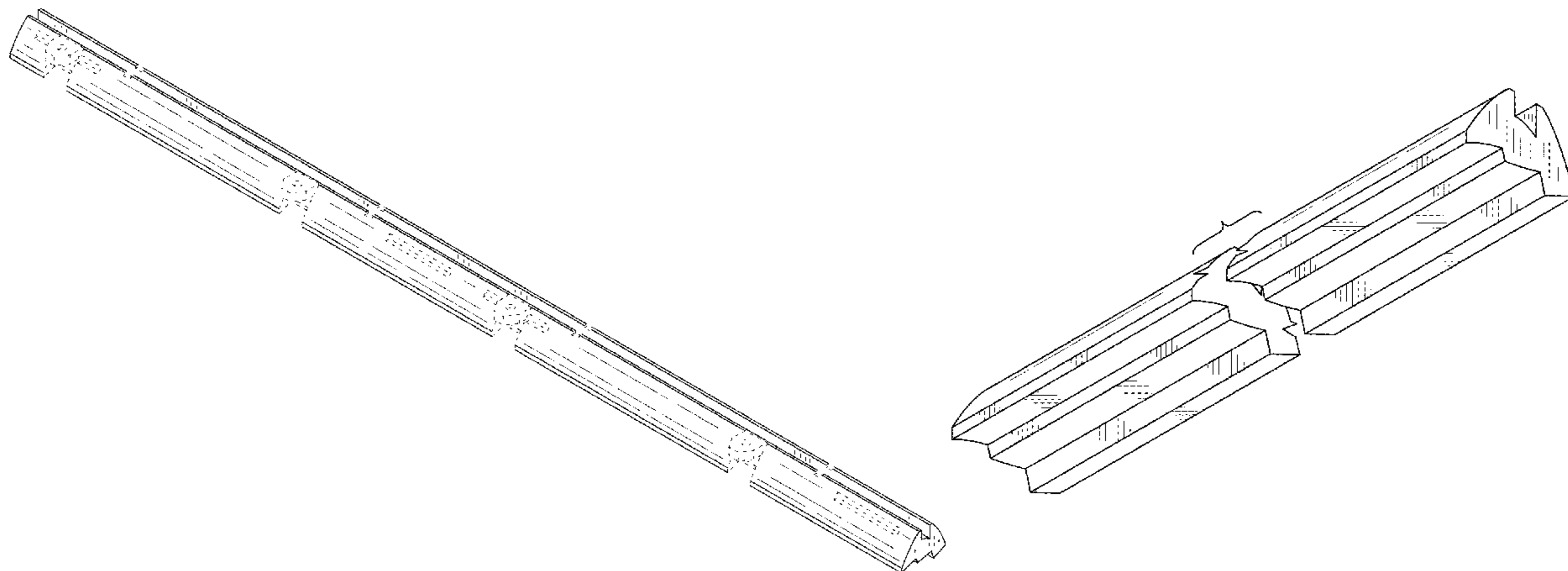
(57) **CLAIM**

The ornamental design for an asymmetric linear optic, as shown and described.

FIG. 1 is a perspective view, from above, of a first embodiment of an asymmetric linear optic;
 FIG. 2 is a perspective view, from below, of the asymmetric linear optic of FIG. 1;
 FIG. 3 is a right side elevation view of the asymmetric linear optic of FIG. 1;
 FIG. 4 is a left side elevation view of the asymmetric linear optic of FIG. 1;
 FIG. 5 is a rear elevation view of the asymmetric linear optic of FIG. 1;
 FIG. 6 is a front elevation view of the asymmetric linear optic of FIG. 1;
 FIG. 7 is a top plan view of the asymmetric linear optic of FIG. 1;
 FIG. 8 is a bottom plan view of the asymmetric linear optic of FIG. 1;
 FIG. 9 is a perspective view, from above, of a second embodiment of an asymmetric linear optic;
 FIG. 10 is a perspective view, from below, of the asymmetric linear optic of FIG. 9;
 FIG. 11 is a right side elevation view of the asymmetric linear optic of FIG. 9;
 FIG. 12 is a left side elevation view of the asymmetric linear optic of FIG. 9;
 FIG. 13 is a rear elevation view of the asymmetric linear optic of FIG. 9;
 FIG. 14 is a front elevation view of the asymmetric linear optic of FIG. 9;
 FIG. 15 is a top plan view of the asymmetric linear optic of FIG. 9; and,
 FIG. 16 is a bottom plan view of the asymmetric linear optic of FIG. 9.

Features shown in broken lines in FIGS. 1-8 illustrate portions of the asymmetric linear optic that form no part of the claimed design. In FIGS. 9-12, 15 and 16, the broken line symbolic breaks and accompanying bracket indicate that the appearance of the asymmetric linear optic between the break lines forms no part of the claimed design.

1 Claim, 10 Drawing Sheets



- (58) **Field of Classification Search**
 CPC G02B 6/0005; G02B 6/0008; G02B 6/001;
 G02B 6/0011; G02B 6/0016; G02B
 6/0018; F21V 2200/10; F21V 2200/15;
 F21V 2200/20; F21V 2200/40
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,734,836 A 3/1988 Negishi
 7,111,964 B2 9/2006 Suehiro et al.
 7,431,480 B2 10/2008 Godo
 7,461,960 B2 12/2008 Opolka et al.
 D632,419 S * 2/2011 Ng D26/78
 7,942,559 B2 5/2011 Holder et al.
 D643,148 S * 8/2011 Jabra D26/120
 D644,780 S * 9/2011 Jabra D26/120
 8,430,538 B2 4/2013 Holder et al.
 8,449,150 B2 5/2013 Allen et al.
 8,506,122 B2 8/2013 Bak et al.
 8,525,206 B2 9/2013 Blumel et al.
 D701,990 S * 4/2014 Rodgers D26/76
 8,777,457 B2 7/2014 Holder et al.

8,814,392 B1 8/2014 Lipowsky et al.
 8,864,346 B2 10/2014 Chinniah et al.
 8,870,417 B2 10/2014 Pickard et al.
 8,915,611 B2 12/2014 Zhang
 D738,030 S * 9/2015 Martins D26/118
 D738,563 S * 9/2015 Martins D26/118
 9,291,330 B2 3/2016 Yang et al.
 9,482,394 B2 11/2016 Holder et al.
 9,488,330 B2 11/2016 Pickard et al.
 D787,732 S * 5/2017 Parker D26/76
 9,683,715 B2 6/2017 Min
 9,714,754 B2 7/2017 Spinger et al.
 9,765,944 B2 9/2017 Dureiko
 D806,939 S * 1/2018 Klus D26/142
 D808,577 S * 1/2018 Klus D26/138
 9,857,052 B2 1/2018 Mallory et al.
 D818,627 S * 5/2018 Santoro D26/90
 D819,250 S * 5/2018 Ji D26/76
 D870,956 S * 12/2019 Mier-Langner D26/138
 2012/0113621 A1 5/2012 Lee et al.
 2014/0376220 A1 12/2014 Shen et al.
 2015/0062898 A1 3/2015 Rizkin et al.
 2016/0238202 A1 8/2016 Mallory et al.
 2017/0167665 A1 * 6/2017 Germain F21S 4/28

* cited by examiner

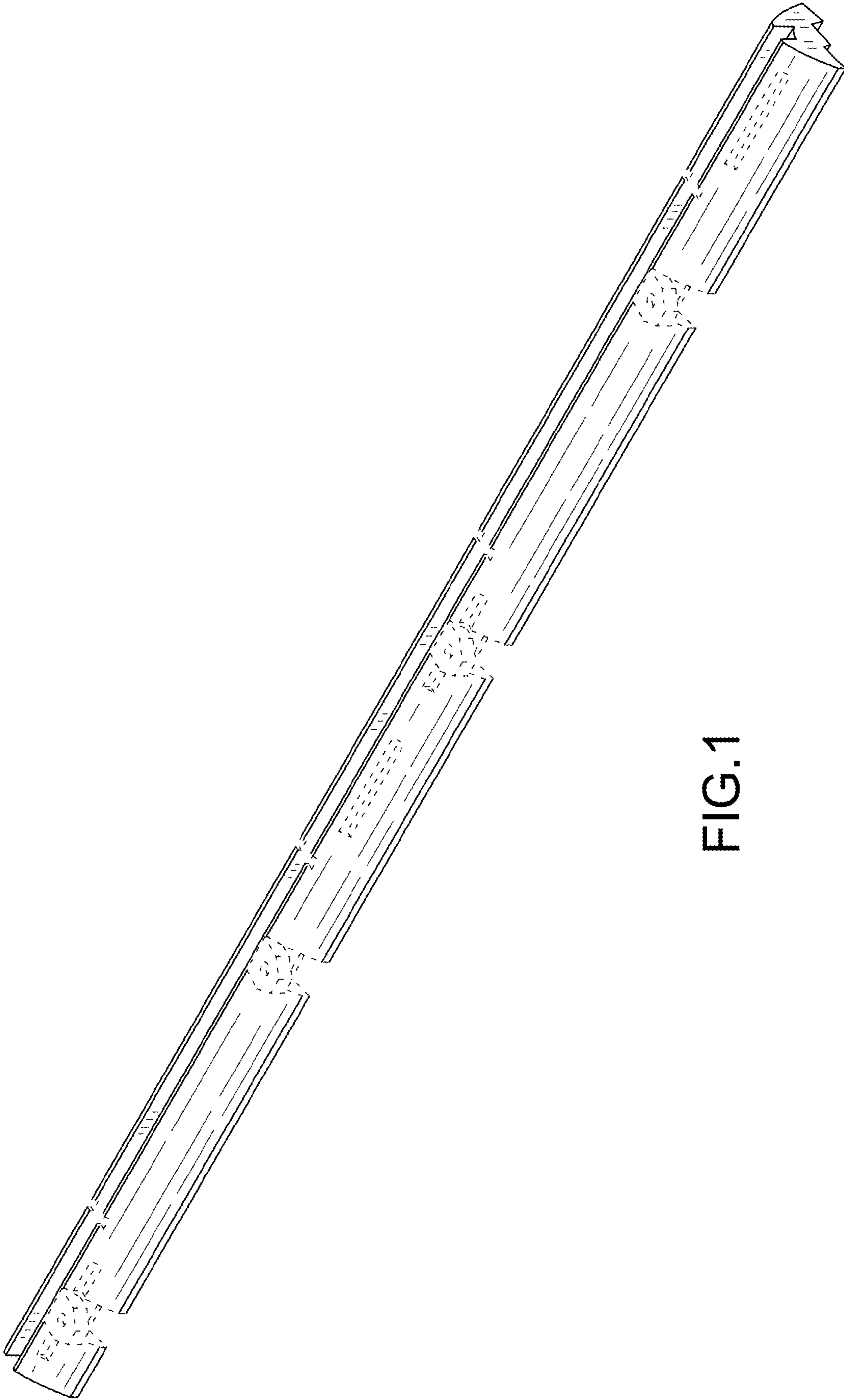


FIG.1

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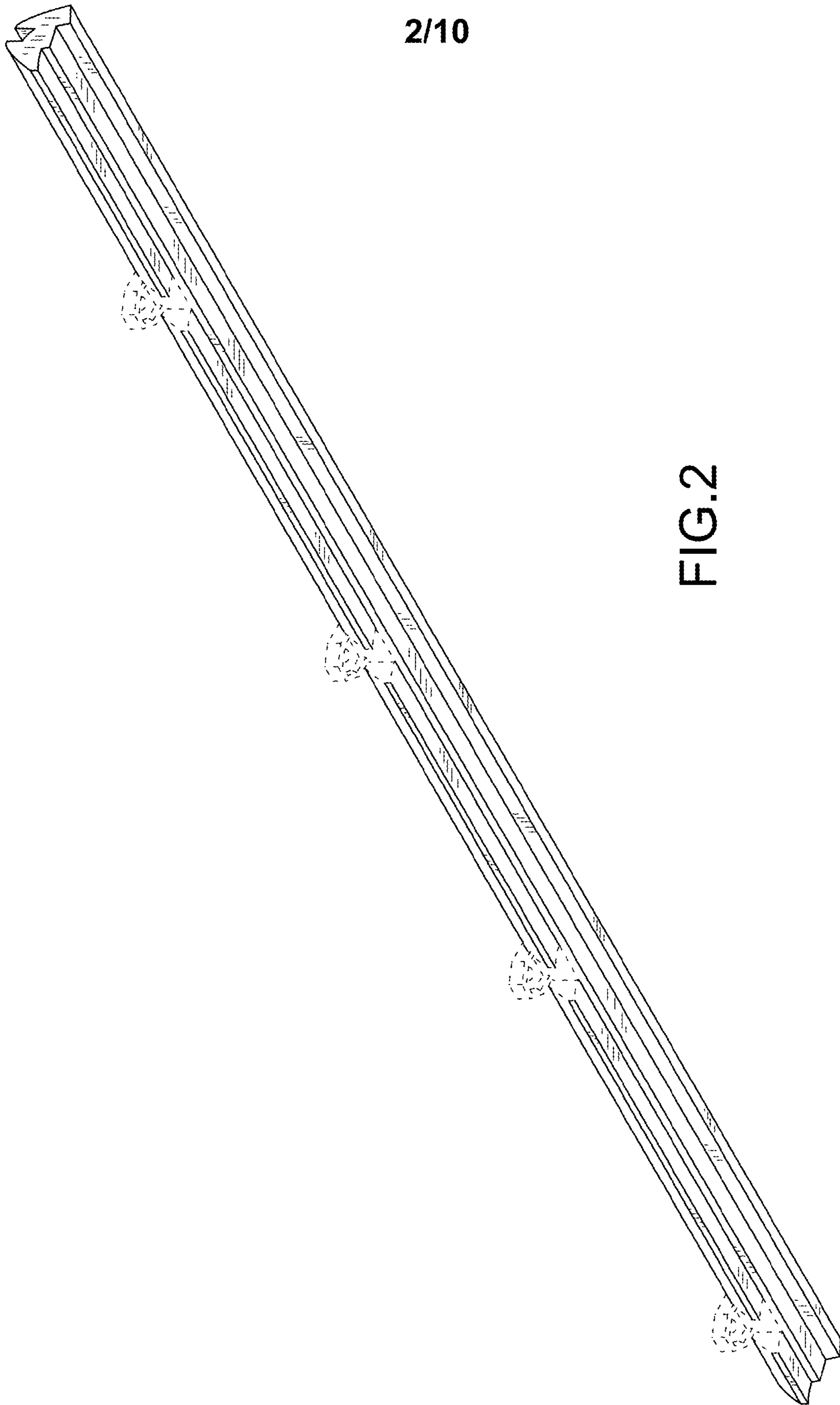


FIG.2

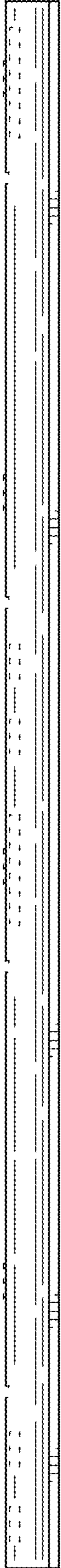


FIG.3

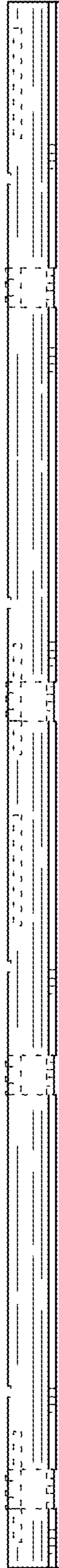


FIG.4

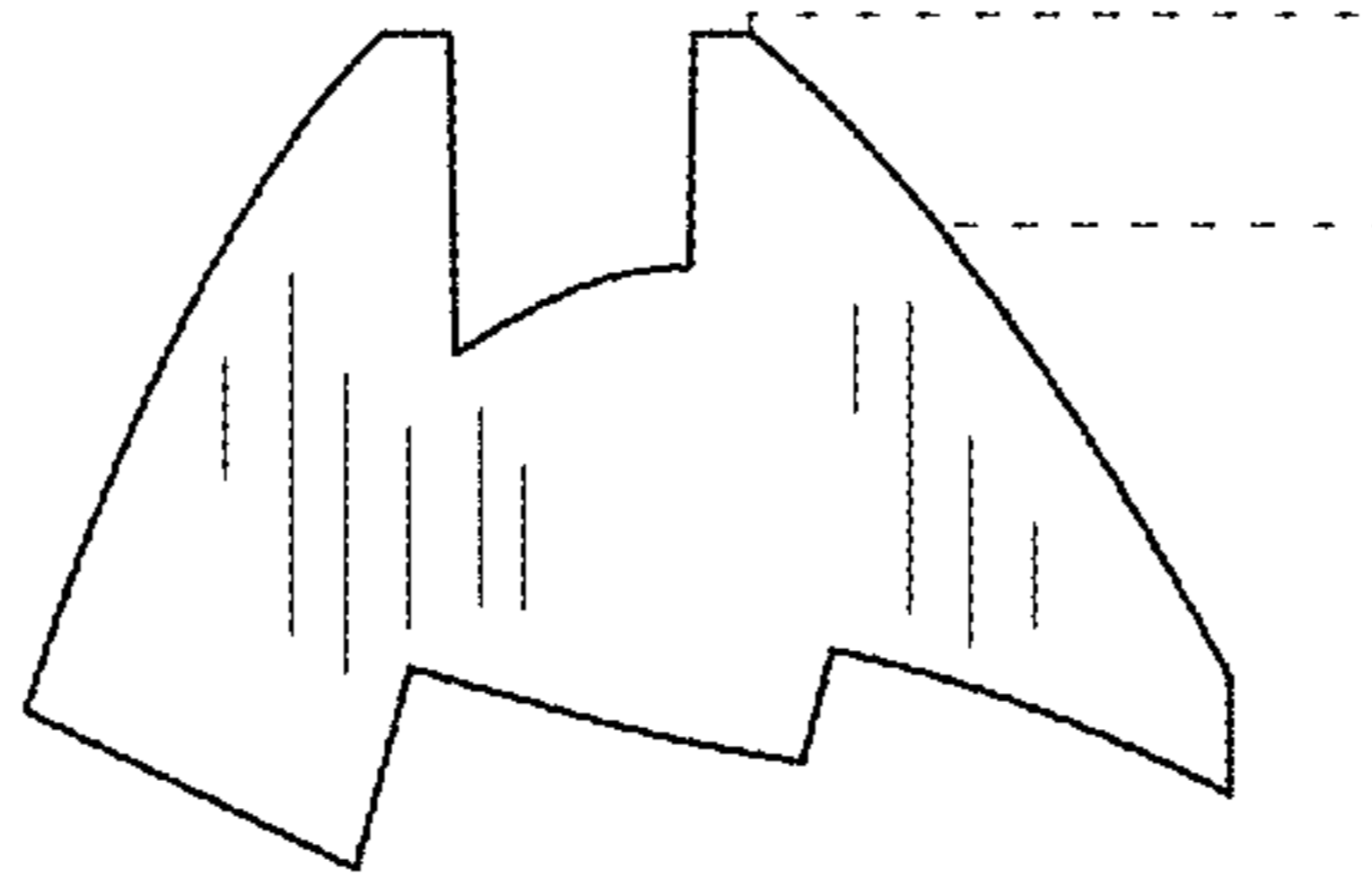


FIG. 5

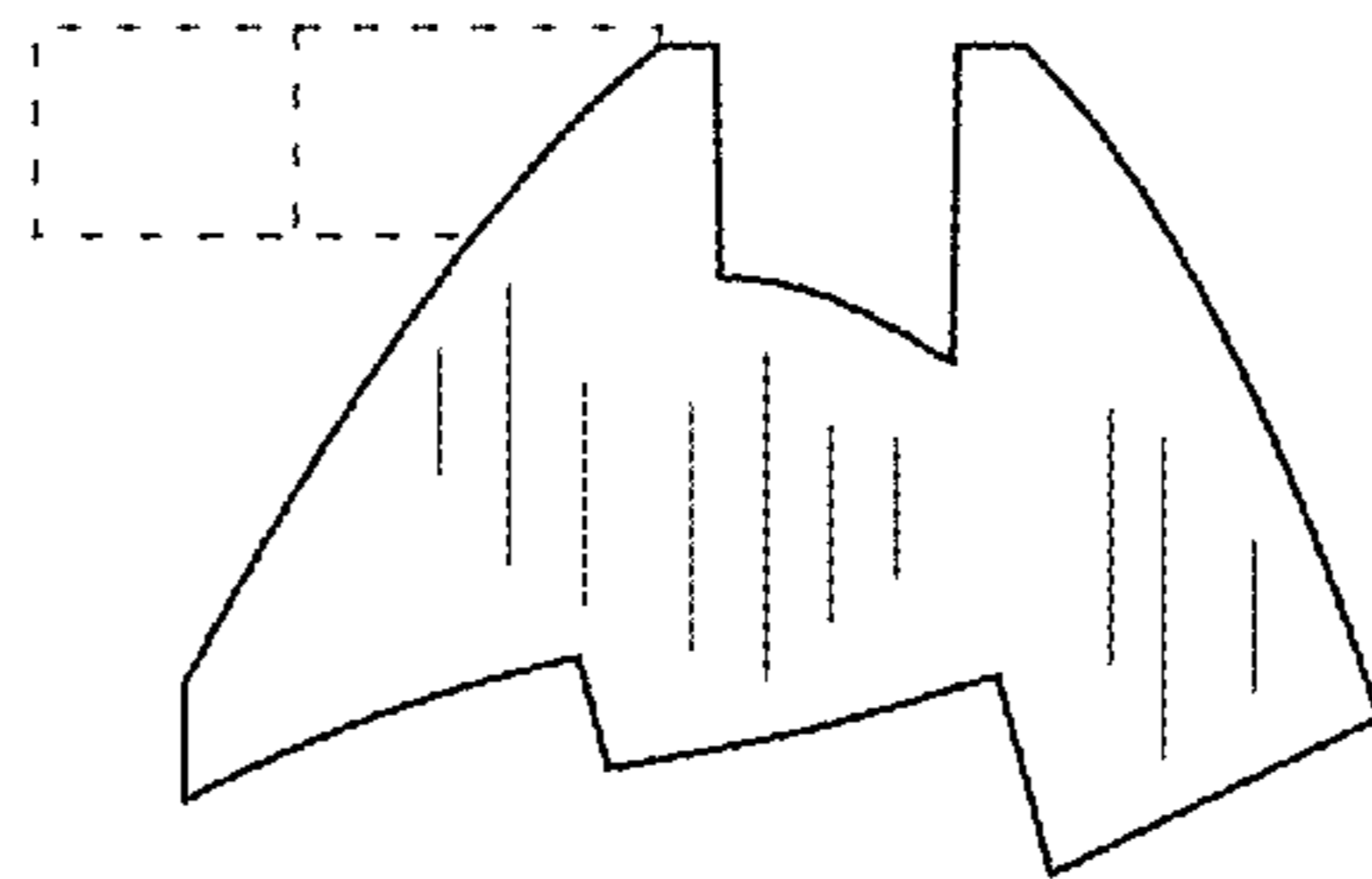


FIG. 6

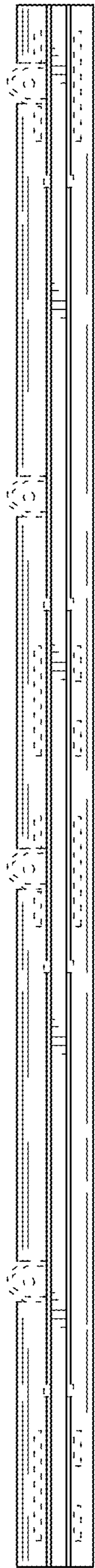


FIG. 7

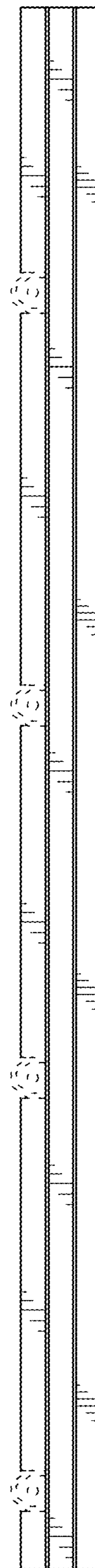


FIG. 8

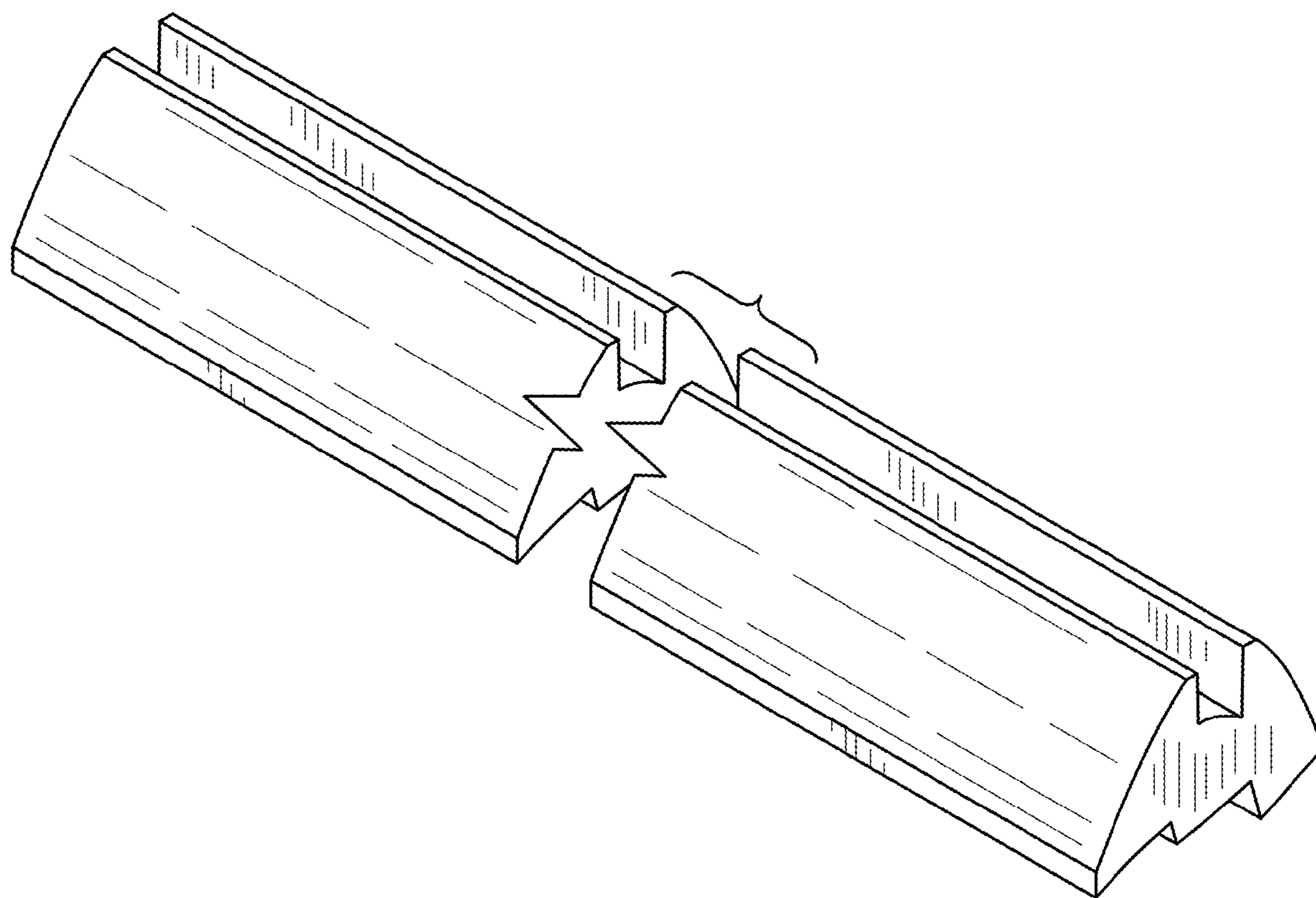


FIG.9

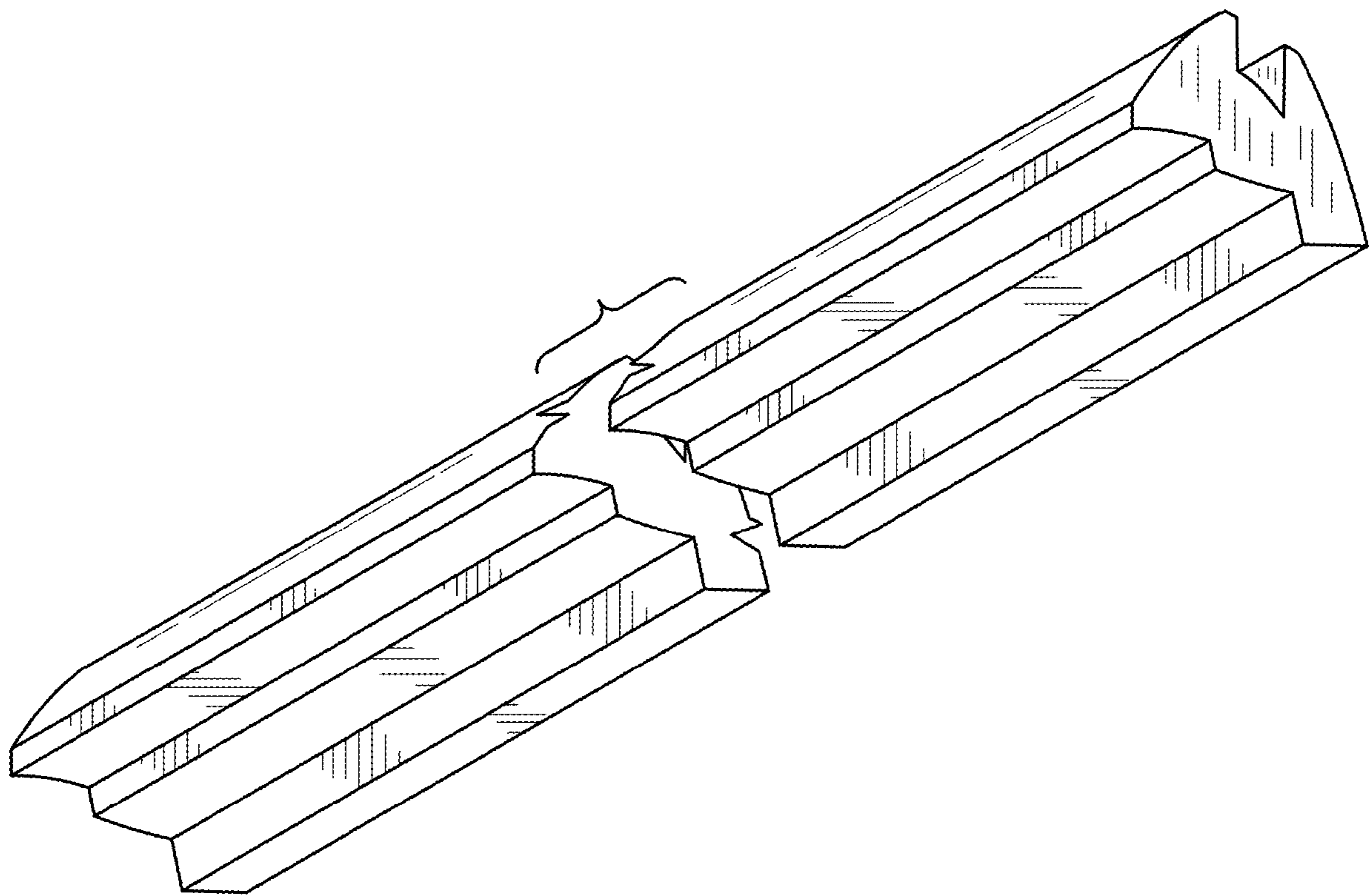


FIG.10

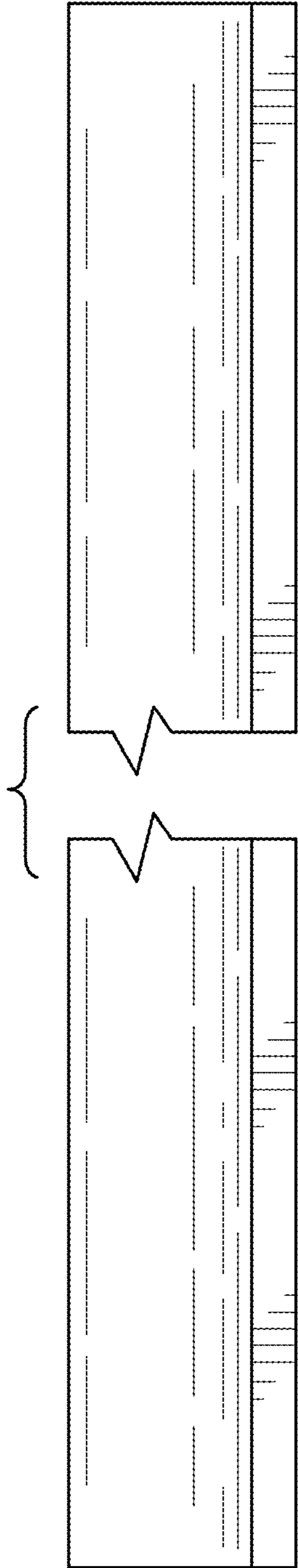


FIG.11

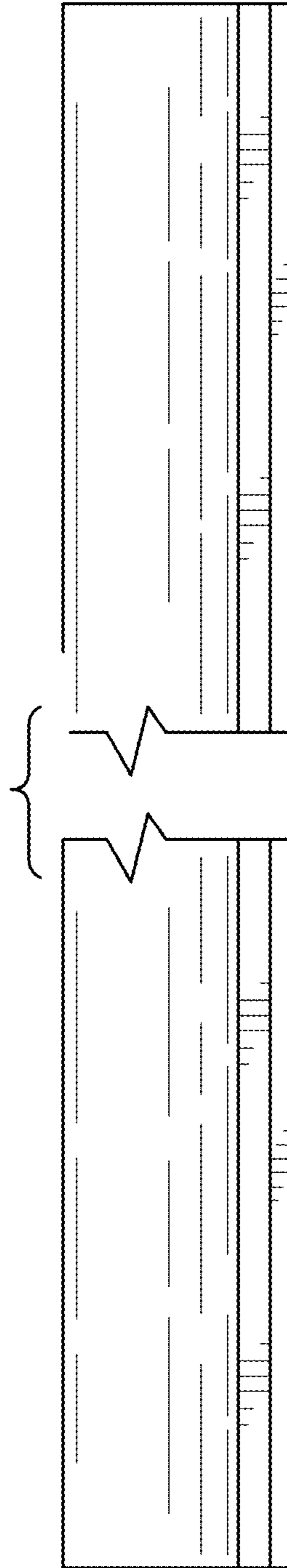


FIG.12

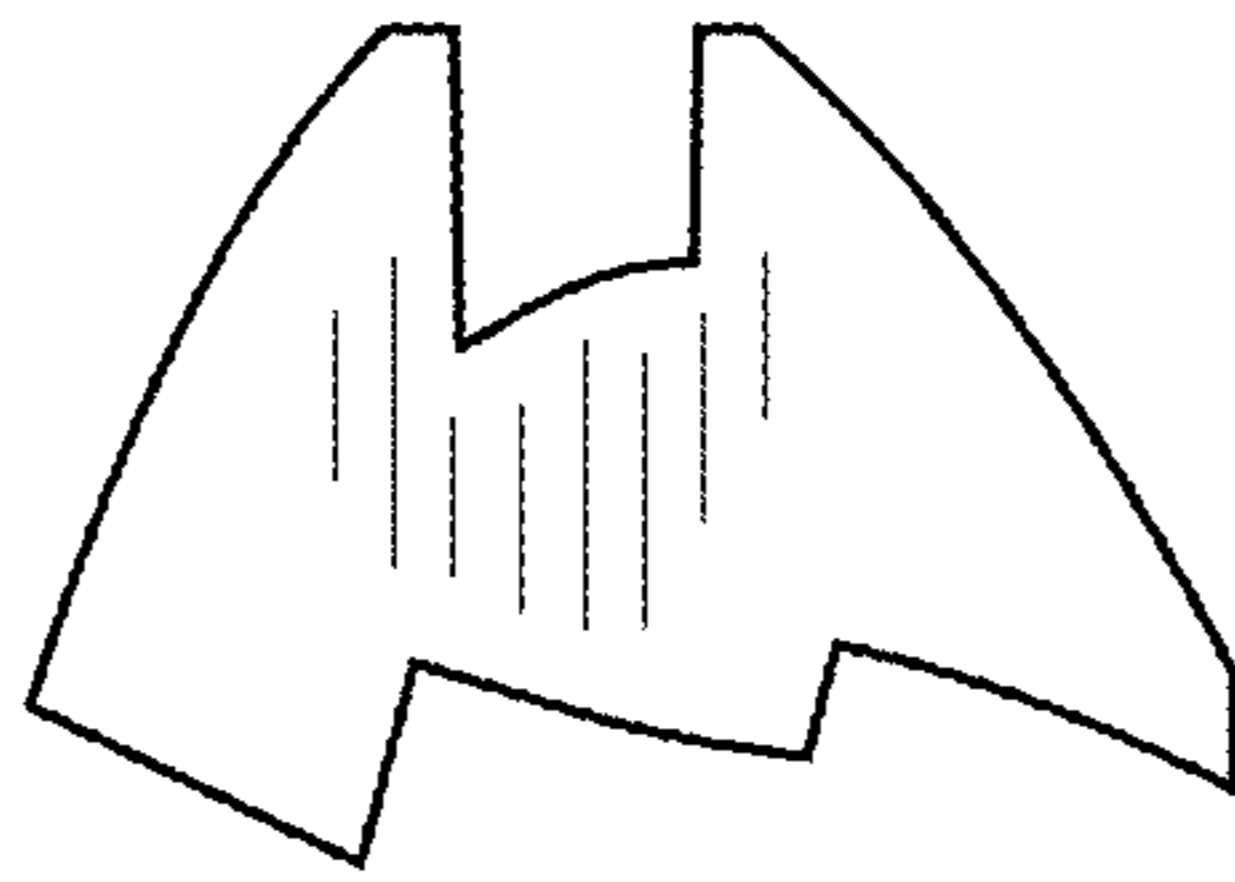


FIG. 13

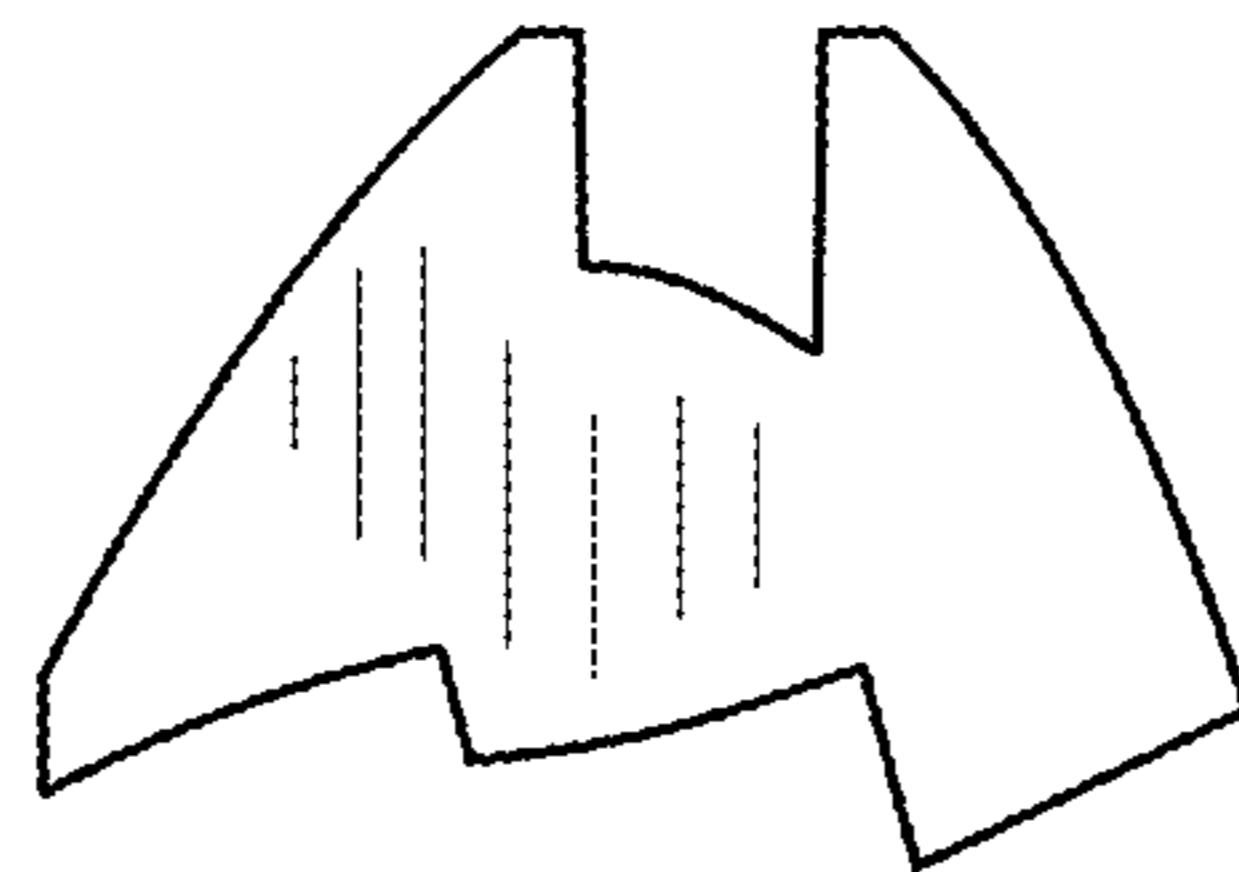


FIG. 14

