



US00D749063S

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

(10) **Patent No.:** **US D749,063 S**
(45) **Date of Patent:** **** Feb. 9, 2016**

- (54) **COMBINED MAT AND EAS ANTENNA**
- (71) Applicant: **Michael T. Callas**, Minnetonka, MN (US)
- (72) Inventor: **Michael T. Callas**, Minnetonka, MN (US)
- (73) Assignee: **CALLAS ENTERPRISES LLC**, Minnetonka, MN (US)
- (**) Term: **14 Years**
- (21) Appl. No.: **29/474,329**
- (22) Filed: **Aug. 11, 2014**

5,877,728 A	3/1999	Wu et al.	
5,959,595 A	9/1999	Witschen et al.	
6,093,469 A	7/2000	Callas	
6,100,804 A	8/2000	Brady et al.	
6,392,599 B1	5/2002	Ganeshmoorthy	
6,400,273 B1	6/2002	Bettine	
D492,670 S	7/2004	Hung et al.	
6,885,354 B2	4/2005	Takei	
7,123,151 B2	10/2006	Garber et al.	
7,123,207 B2	10/2006	Yazdandoost et al.	
7,324,058 B2	1/2008	Kai	
7,444,735 B2	11/2008	Yeo et al.	
D647,810 S *	11/2011	Bohrer	D10/106.9
D690,687 S *	10/2013	Sun	D14/230
D693,249 S *	11/2013	Anderssen	D10/65
D693,250 S *	11/2013	Anderssen	D10/65
D710,231 S *	8/2014	Barksdale	D10/106.9
2003/0006940 A1	1/2003	Washiro et al.	
2003/0080919 A1	5/2003	Forster et al.	
2003/0142018 A1	7/2003	Lange	
2004/0066296 A1	4/2004	Atherton	

Related U.S. Application Data

- (63) Continuation-in-part of application No. 29/373,000, filed on Feb. 16, 2011, now Pat. No. Des. 715,274.
- (51) **LOC (10) Cl.** **14-03**
- (52) **U.S. Cl.**
USPC **D14/230**
- (58) **Field of Classification Search**
USPC D10/104.1, 106.9, 65; D14/230
CPC G06K 19/005; H05K 5/0286
See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

2,990,547 A	6/1961	McDougal
3,995,277 A	11/1976	Olyphant
4,038,662 A	7/1977	Turner
4,095,214 A	6/1978	Minasy
4,135,184 A	1/1979	Pruzick
4,430,645 A	2/1984	Eskandry et al.
4,860,019 A	8/1989	Jiang et al.
5,103,235 A	4/1992	Clemens
5,171,619 A	12/1992	Reuben
5,825,291 A	10/1998	Platt et al.

(Continued)

Primary Examiner — George D Kirschbaum
(74) *Attorney, Agent, or Firm* — Richard John Bartz

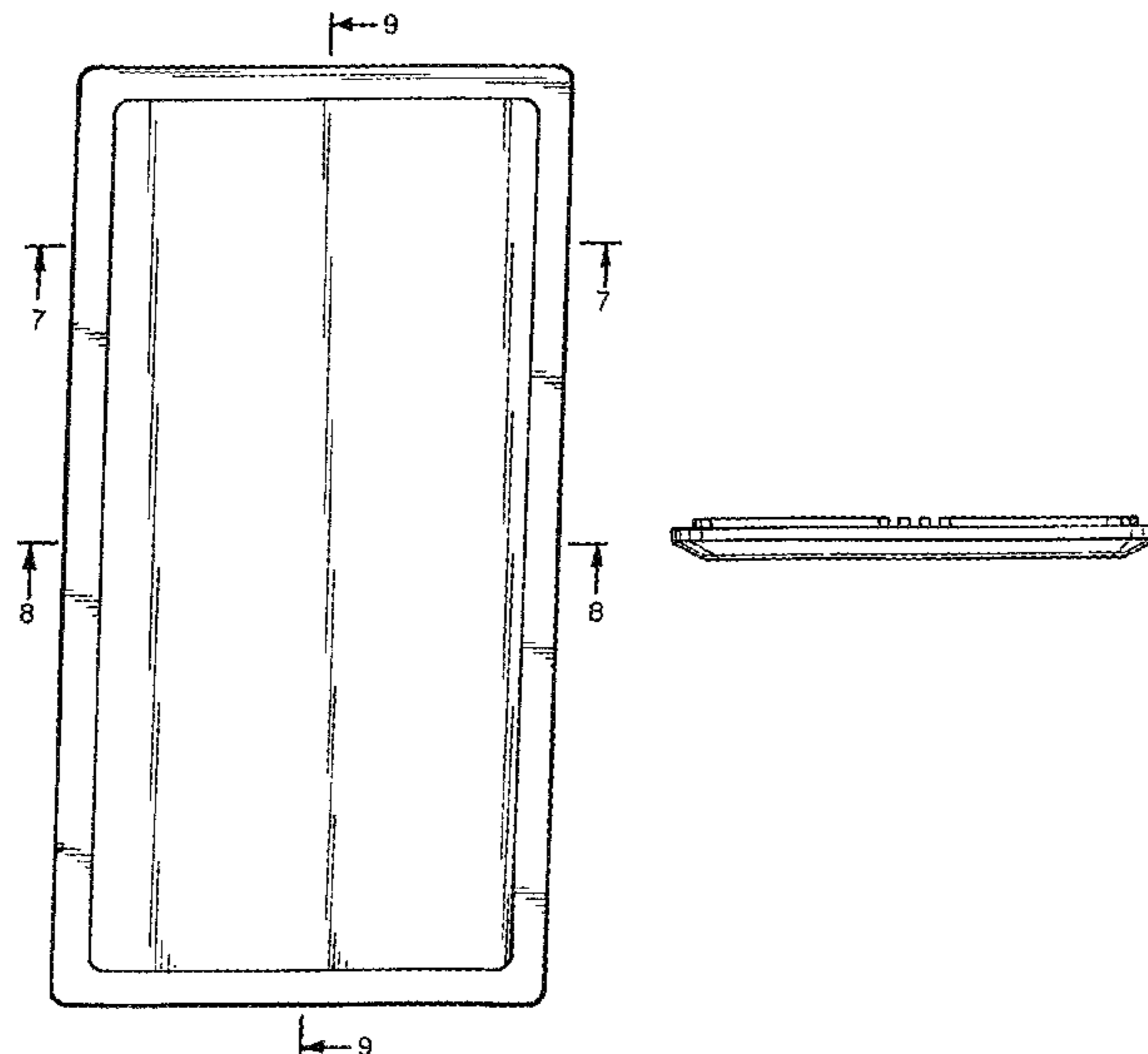
(57) **CLAIM**

The ornamental design for a combined mat and EAS antenna, as shown and described.

DESCRIPTION

FIG. 1 is a top plan view of a first embodiment of the combined mat and EAS antenna of my design; FIG. 2 is a right end elevational view thereof; FIG. 3 is a left end elevational view thereof; FIG. 4 is a bottom plan view thereof; FIG. 5 is a right side elevational view thereof; FIG. 6 is a left side elevational view thereof; FIG. 7 is a sectional view taken along the line 7-7 of FIG. 1; FIG. 8 is a sectional view taken along the line 8-8 of FIG. 1; and, FIG. 9 is a sectional view taken along the line 9-9 of FIG. 1.

1 Claim, 3 Drawing Sheets



(56)

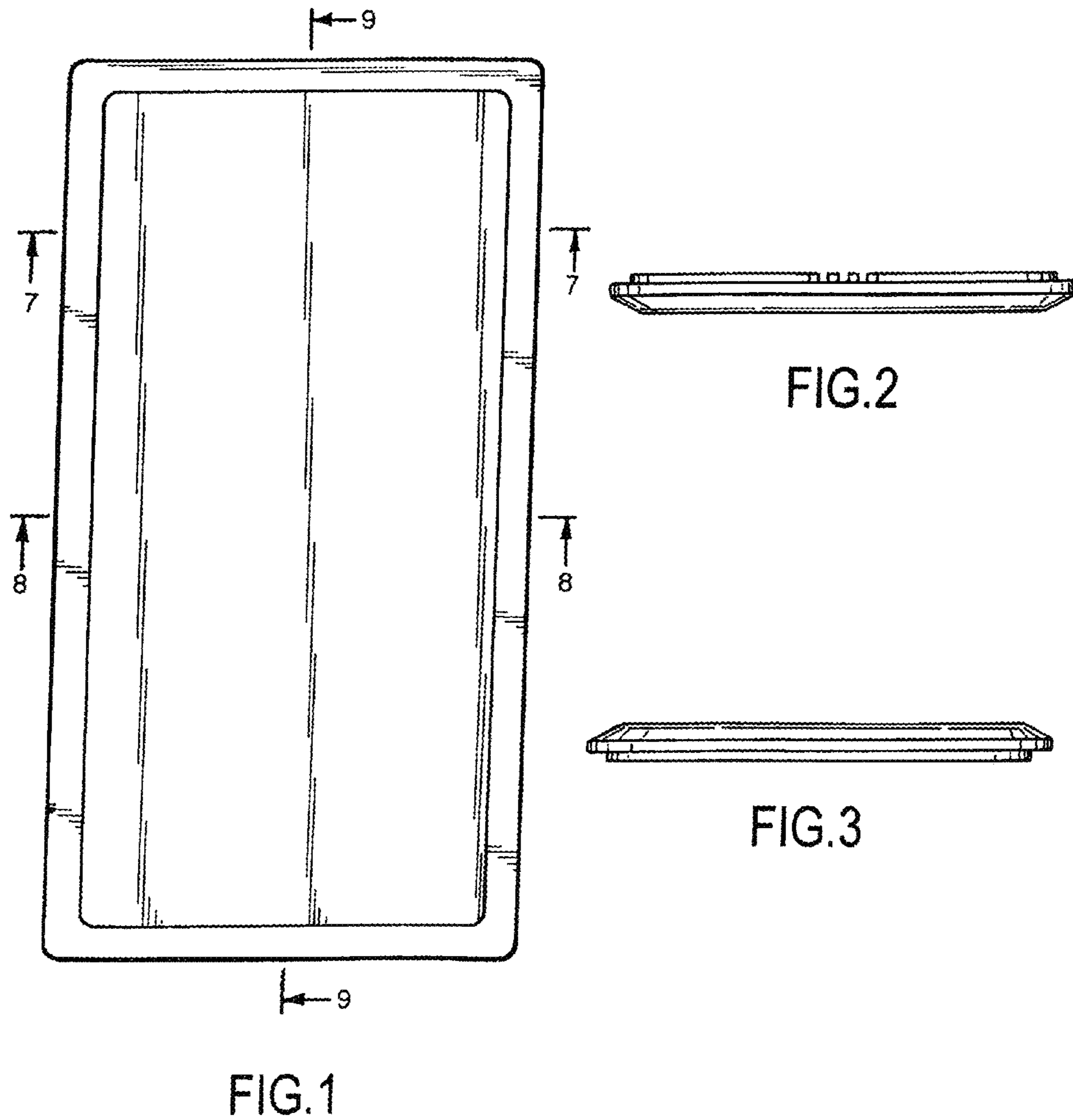
References Cited

U.S. PATENT DOCUMENTS

2004/0130500 A1 7/2004 Takei
2004/0217866 A1 11/2004 Copeland et al.
2005/0024287 A1 2/2005 Jo et al.
2005/0035924 A1 2/2005 Liu et al.
2005/0062669 A1 3/2005 Aisenbrey
2005/0078035 A1 4/2005 Oberle
2006/0077115 A1 4/2006 Oh et al.

2006/0244662 A1 11/2006 Bauer et al.
2007/0007925 A1 1/2007 Bae et al.
2007/0063920 A1 3/2007 Shionoiri et al.
2007/0107827 A1 5/2007 Takahashi et al.
2008/0001825 A1 1/2008 Kurokawa et al.
2008/0143616 A1 6/2008 Tu et al.
2009/0091501 A1 4/2009 Mizoroki et al.
2009/0109099 A1 4/2009 Jang et al.
2009/0231203 A1 9/2009 Ficker et al.

* cited by examiner



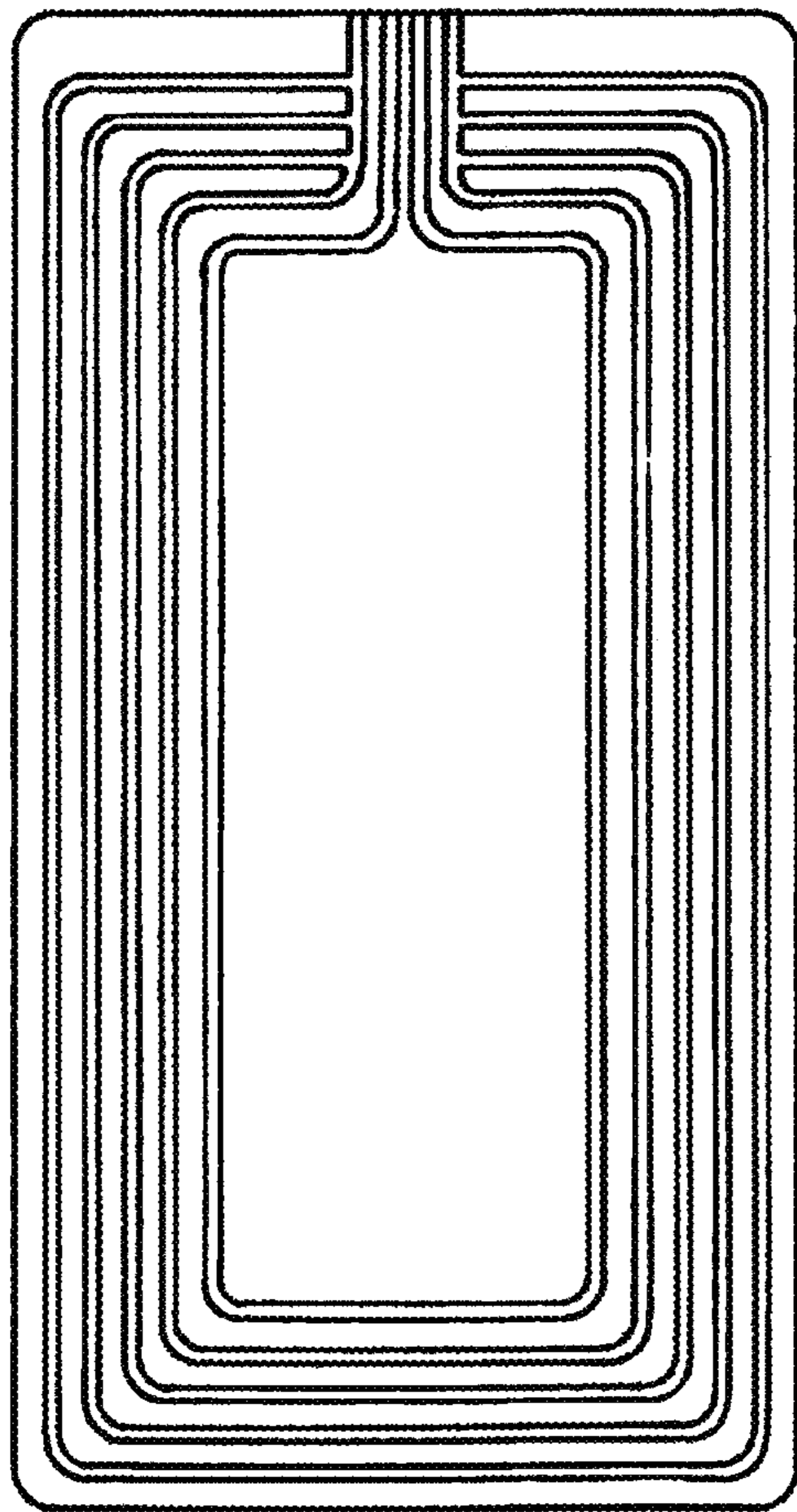


FIG. 4



FIG. 5

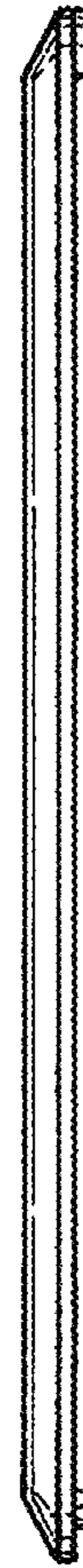


FIG. 6



FIG. 7

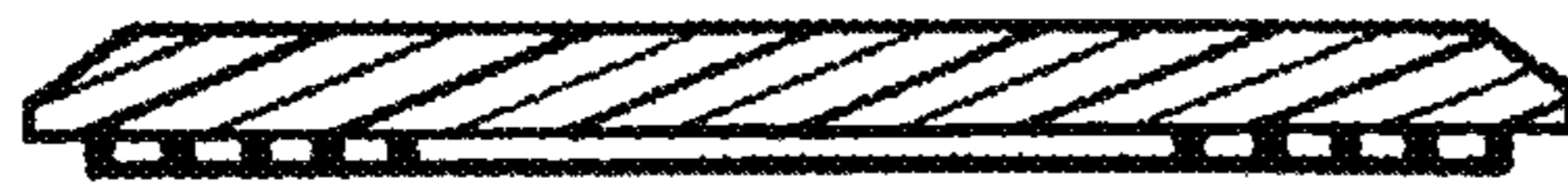


FIG. 8



FIG. 9