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

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- (54) **INTERVERTEBRAL IMPLANT**
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- (\*) Notice: This patent is subject to a terminal disclaimer.
- (\*\*) Term: **14 Years**
- (21) Appl. No.: **29/477,585**
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4,961,740 A	10/1990	Ray et al.
5,015,247 A	5/1991	Michelson
5,026,373 A	6/1991	Ray et al.
5,047,055 A	9/1991	Bao et al.
5,055,104 A	10/1991	Ray
5,071,437 A	12/1991	Steffee
5,171,278 A	12/1992	Pisharodi
5,263,953 A	11/1993	Bagby
5,290,494 A	3/1994	Coombes et al.
5,306,307 A	4/1994	Senter et al.
5,306,309 A	4/1994	Wagner et al.
5,364,400 A	11/1994	Rego, Jr. et al.
5,397,364 A	3/1995	Kozak
5,405,391 A	4/1995	Henderson et al.

(Continued)

**Related U.S. Application Data**

- (63) Continuation of application No. 29/444,346, filed on Jan. 29, 2013, now Pat. No. Des. 696,402, which is a continuation of application No. 29/405,583, filed on Nov. 3, 2011, now Pat. No. Des. 675,320.
- (51) **LOC (10) Cl.** ..... **24-02**
- (52) **U.S. Cl.**  
USPC ..... **D24/155**
- (58) **Field of Classification Search**  
USPC ..... D24/155, 156; 623/17.11, 17.15, 17.16,  
623/17.12; 606/90, 86 A  
See application file for complete search history.

**References Cited**

**U.S. PATENT DOCUMENTS**

3,848,601 A	11/1974	Ma et al.
3,867,728 A	2/1975	Stubstad et al.
4,501,269 A	2/1985	Bagby
4,657,550 A	4/1987	Daher
4,743,256 A	5/1988	Brantigan
4,781,591 A	11/1988	Allen
4,834,757 A	5/1989	Brantigan
4,878,915 A	11/1989	Brantigan
4,932,975 A	6/1990	Main et al.

**FOREIGN PATENT DOCUMENTS**

EP	0716840	6/1996
EP	0880938	2/1998

(Continued)

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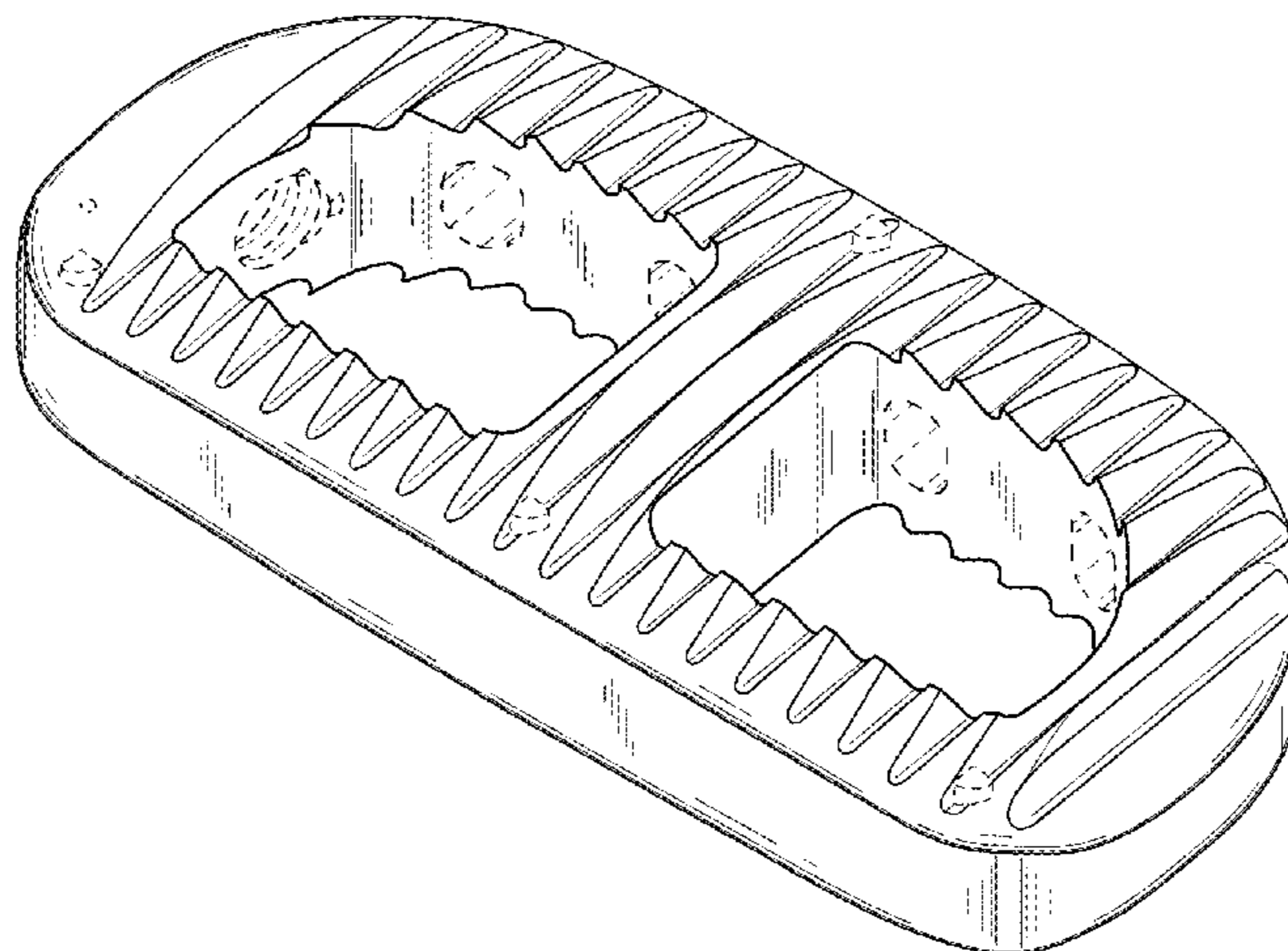
(57) **CLAIM**

The ornamental design for an intervertebral implant, substantially as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of an intervertebral implant showing our new design;  
 FIG. 2 is a first side view thereof;  
 FIG. 3 is a second side view thereof;  
 FIG. 4 is a first end view thereof;  
 FIG. 5 is a second end view thereof;  
 FIG. 6 is a top view thereof; and,  
 FIG. 7 is a bottom view thereof.  
 The broken line showing is included for the purpose of illustrating environment and forms no part of the claimed design.

**1 Claim, 3 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

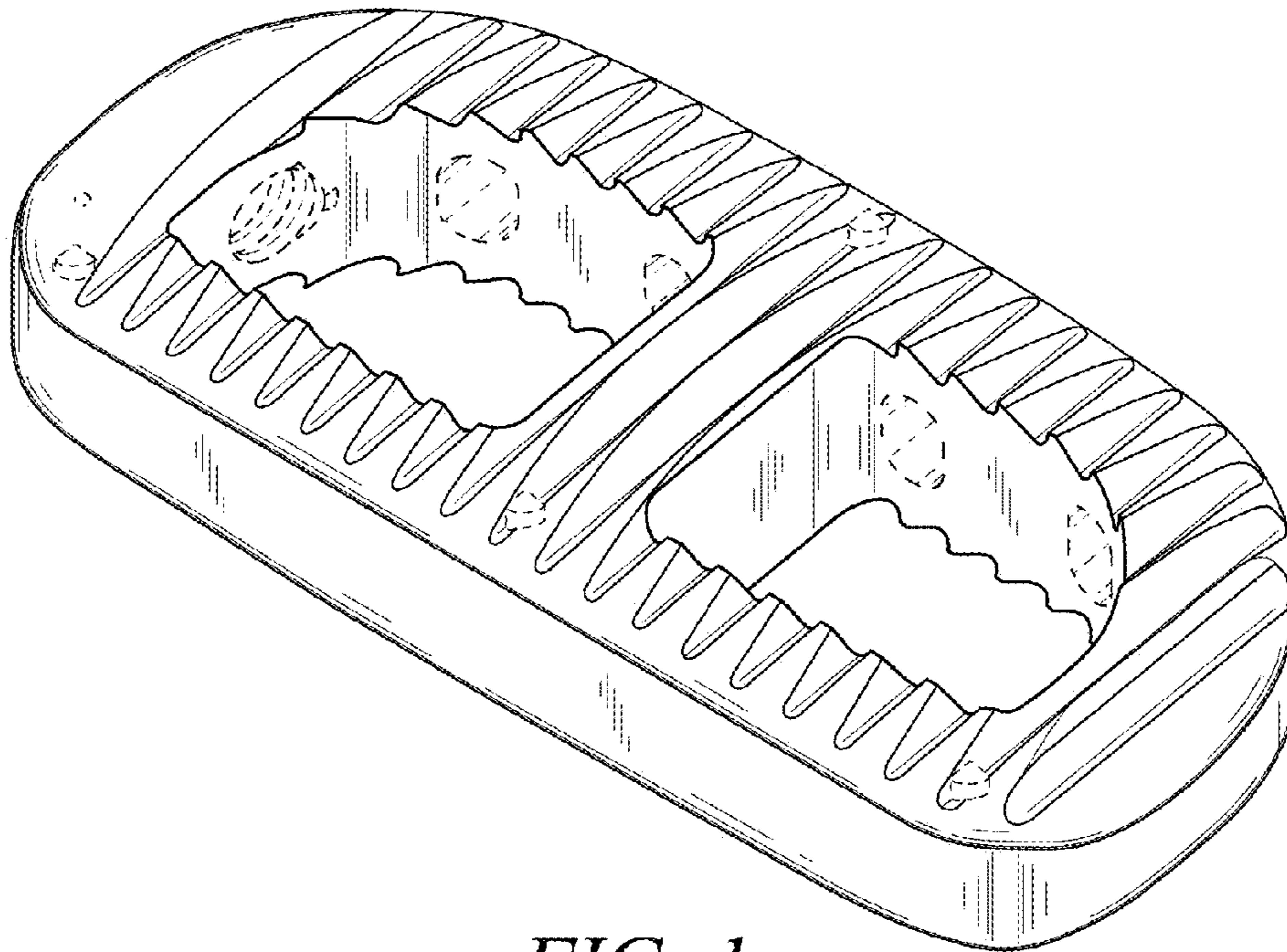
5,413,602 A 5/1995 Metz-Stavenhagen  
 5,425,772 A 6/1995 Brantigan  
 5,431,658 A 7/1995 Moskovich  
 5,443,514 A 8/1995 Steffee  
 5,443,515 A 8/1995 Cohen et al.  
 5,454,811 A 10/1995 Huebner  
 5,458,638 A 10/1995 Kuslich et al.  
 5,484,437 A 1/1996 Michelson  
 5,489,307 A 2/1996 Kuslich et al.  
 5,489,308 A 2/1996 Kuslich et al.  
 5,514,180 A 5/1996 Heggeness et al.  
 5,522,899 A 6/1996 Michelson  
 5,534,030 A 7/1996 Navarro et al.  
 5,540,688 A 7/1996 Navas  
 5,562,736 A 10/1996 Ray  
 5,571,190 A 11/1996 Ulrich  
 5,571,192 A 11/1996 Schonhoffer  
 5,593,409 A 1/1997 Michelson  
 5,609,636 A 3/1997 Kohrs et al.  
 5,611,800 A 3/1997 Davis et al.  
 5,632,747 A 5/1997 Scarborough et al.  
 5,645,598 A 7/1997 Brosnahan et al.  
 5,653,761 A 8/1997 Pisharodi  
 5,653,762 A 8/1997 Pisharodi  
 5,665,122 A 9/1997 Kambin  
 5,669,909 A 9/1997 Zdeblick et al.  
 5,676,703 A 10/1997 Gelbard  
 5,683,394 A 11/1997 Rinner  
 5,683,464 A 11/1997 Wagner et al.  
 5,700,264 A 12/1997 Zucherman et al.  
 5,700,291 A 12/1997 Kuslich et al.  
 5,700,292 A 12/1997 Marguiles  
 5,702,449 A 12/1997 McKay  
 5,702,451 A 12/1997 Biedermann et al.  
 5,702,453 A 12/1997 Rabbe et al.  
 5,702,454 A 12/1997 Baumgartner  
 5,702,455 A 12/1997 Saggar  
 5,716,415 A 2/1998 Steffee  
 5,728,159 A 3/1998 Stroeve et al.  
 5,741,253 A 4/1998 Michelson  
 5,741,261 A 4/1998 Moskovitz et al.  
 5,766,252 A 6/1998 Henry et al.  
 5,772,661 A 6/1998 Michelson  
 5,782,830 A 7/1998 Farris  
 5,782,832 A 7/1998 Larsen et al.  
 5,785,710 A 7/1998 Michelson  
 5,797,909 A 8/1998 Michelson  
 5,800,550 A 9/1998 Sertich  
 5,814,084 A 9/1998 Grivas et al.  
 5,860,973 A 1/1999 Michelson  
 5,865,845 A 2/1999 Thalgott  
 5,865,848 A 2/1999 Baker  
 5,885,299 A 3/1999 Winslow et al.  
 5,888,224 A 3/1999 Beckers et al.  
 5,904,719 A 5/1999 Errico et al.  
 5,910,315 A 6/1999 Stevenson et al.  
 5,968,098 A 10/1999 Winslow  
 6,004,326 A 12/1999 Castro et al.  
 6,008,433 A 12/1999 Stone  
 6,015,436 A 1/2000 Schonhuffer  
 6,039,761 A 3/2000 Li et al.  
 6,042,582 A 3/2000 Ray  
 6,045,580 A 4/2000 Scarborough et al.  
 6,048,342 A 4/2000 Zucherman et al.  
 6,059,829 A 5/2000 Schlapfer et al.  
 6,063,088 A 5/2000 Winslow  
 6,083,225 A 7/2000 Winslow et al.  
 6,120,503 A 9/2000 Michelson  
 6,120,506 A 9/2000 Kohrs et al.  
 6,143,033 A 11/2000 Paul et al.  
 6,159,211 A 12/2000 Boriani et al.  
 6,159,215 A 12/2000 Urbahns et al.

6,193,756 B1 2/2001 Studer et al.  
 6,200,347 B1 3/2001 Anderson  
 6,224,607 B1 5/2001 Michelson  
 6,224,631 B1 5/2001 Kohrs  
 6,235,059 B1 5/2001 Benezech et al.  
 6,241,769 B1 6/2001 Nicholson et al.  
 6,241,771 B1 6/2001 Gresser et al.  
 6,251,140 B1 6/2001 Marino et al.  
 6,258,125 B1 7/2001 Paul et al.  
 6,277,149 B1 8/2001 Boyle et al.  
 6,319,257 B1 11/2001 Carignan et al.  
 6,371,989 B1 4/2002 Chauvin et al.  
 6,383,221 B1 5/2002 Scarborough et al.  
 6,409,766 B1 6/2002 Brett  
 6,432,140 B1 8/2002 Lin  
 6,440,142 B1 8/2002 Ralph et al.  
 6,442,814 B1 9/2002 Landry et al.  
 6,454,806 B1 9/2002 Cohen  
 6,468,311 B2 10/2002 Boyd et al.  
 6,485,518 B1 11/2002 Cornwall et al.  
 6,503,279 B1 1/2003 Webb et al.  
 6,527,773 B1 3/2003 Lin et al.  
 6,595,998 B2 7/2003 Johnson et al.  
 6,626,905 B1 9/2003 Schmiel et al.  
 6,635,086 B2 10/2003 Lin  
 6,648,895 B2 11/2003 Burkus et al.  
 6,676,703 B2 1/2004 Biscup  
 6,706,067 B2 3/2004 Shimp et al.  
 6,743,255 B2 6/2004 Ferree  
 6,746,454 B2 6/2004 Winterbottom et al.  
 6,746,484 B1 6/2004 Liu et al.  
 6,755,841 B2 6/2004 Fraser et al.  
 6,824,564 B2 11/2004 Crozet  
 6,855,167 B2 2/2005 Shimp et al.  
 6,964,687 B1 11/2005 Bernard et al.  
 6,979,353 B2 12/2005 Bresina  
 6,984,245 B2 1/2006 McGahan et al.  
 6,986,788 B2 1/2006 Paul et al.  
 6,989,031 B2 1/2006 Michelson  
 7,018,416 B2 3/2006 Hanson et al.  
 7,125,425 B2 10/2006 Foley et al.  
 7,192,447 B2 3/2007 Rhoda  
 7,244,258 B2 7/2007 Burkus et al.  
 7,303,583 B1 12/2007 Schaer et al.  
 7,326,251 B2 2/2008 McCombe et al.  
 D594,986 S \* 6/2009 Miles et al. .... D24/155  
 D599,019 S \* 8/2009 Pimenta et al. .... D24/155  
 D621,509 S \* 8/2010 Lovell ..... D24/155  
 D625,820 S \* 10/2010 Calverley et al. .... D24/155  
 D629,104 S \* 12/2010 Calverley et al. .... D24/155  
 7,867,277 B1 1/2011 Tohmeh  
 7,951,203 B2 5/2011 McCombe et al.  
 8,021,430 B2 9/2011 Michelson  
 8,187,334 B2 5/2012 Curran et al.  
 8,246,686 B1 8/2012 Curran et al.  
 8,251,997 B2 8/2012 Michelson  
 D671,645 S \* 11/2012 Curran et al. .... D24/155  
 D674,092 S \* 1/2013 Lovell ..... D24/155  
 D675,320 S \* 1/2013 Oi ..... D24/155  
 8,361,156 B2 1/2013 Curran et al.  
 8,506,636 B2 8/2013 Dye  
 8,574,301 B2 11/2013 Curran et al.  
 8,579,909 B2 11/2013 Burkus et al.  
 8,591,589 B2 11/2013 McCombe et al.  
 D696,402 S \* 12/2013 Oi ..... D24/155  
 8,608,804 B2 12/2013 Curran et al.

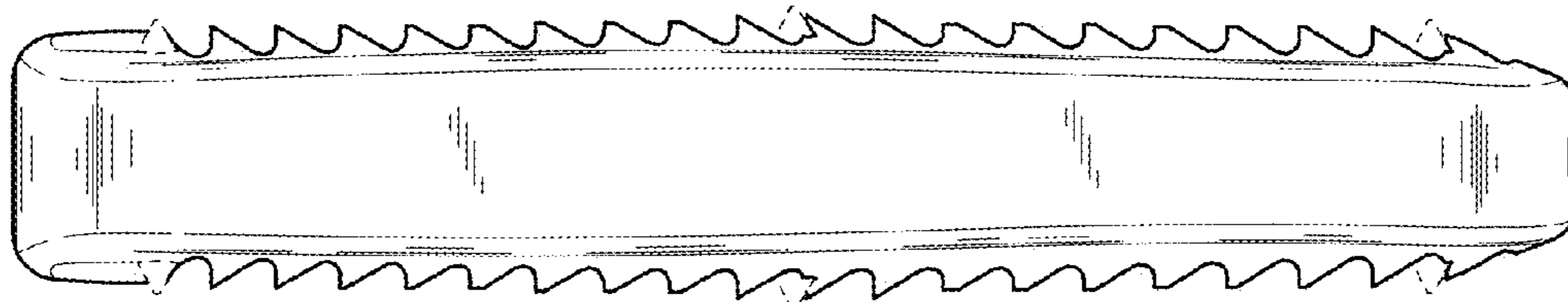
FOREIGN PATENT DOCUMENTS

WO WO 94/04100 3/1994  
 WO WO 95/01810 1/1995  
 WO WO 96/08205 3/1996  
 WO WO 97/33525 9/1997  
 WO WO 98/17208 4/1998

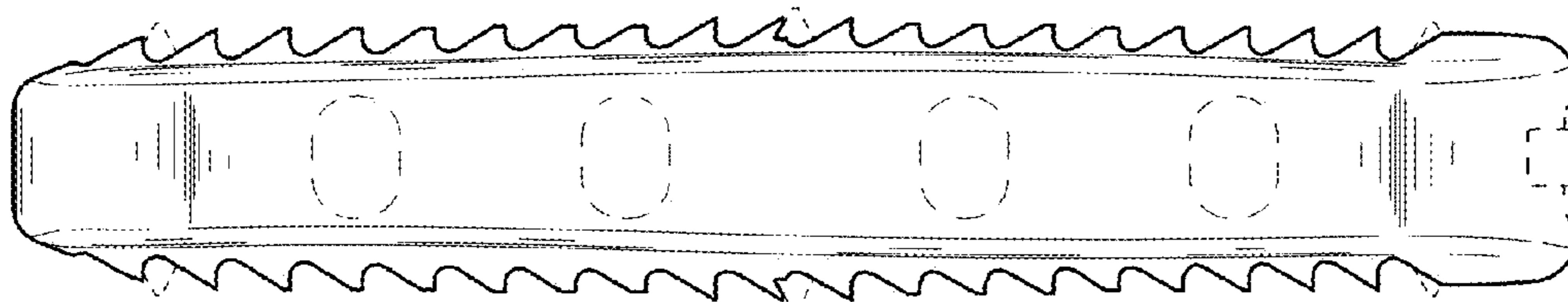
\* cited by examiner



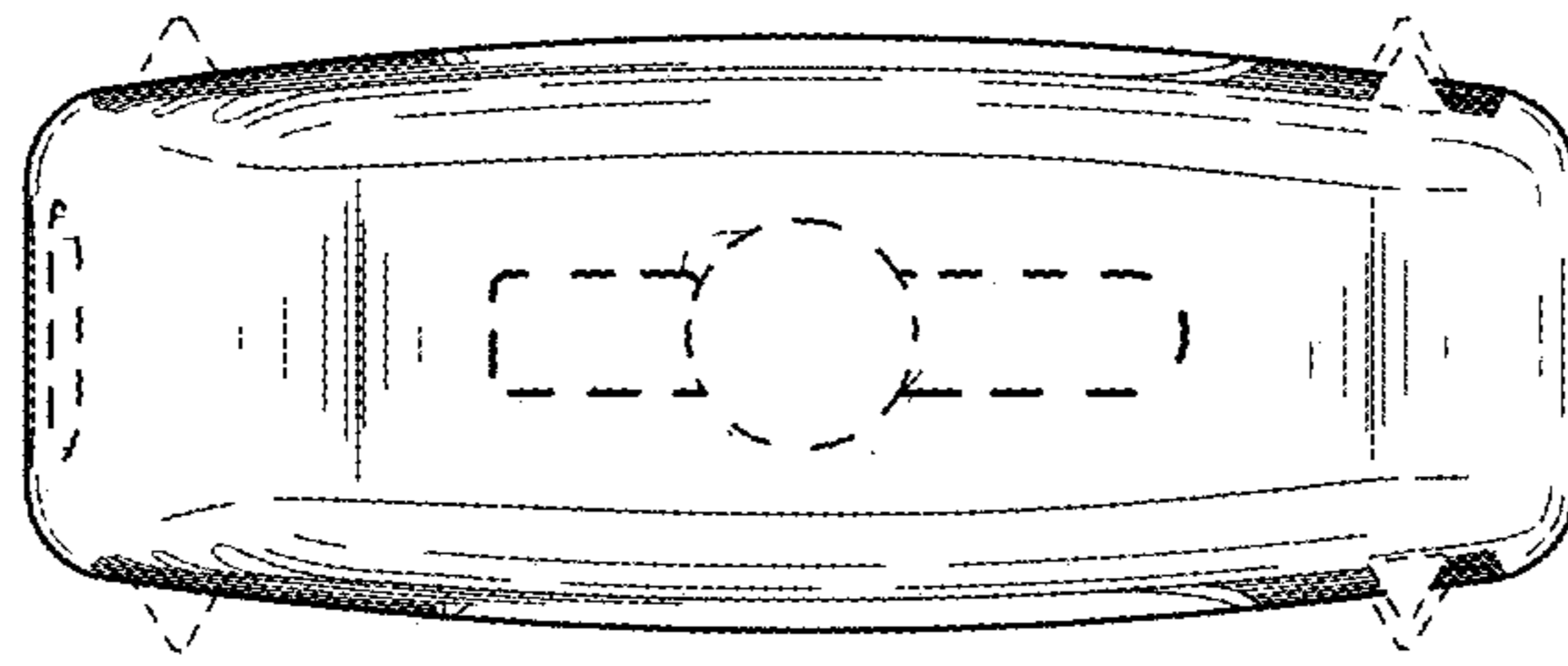
*FIG. 1*



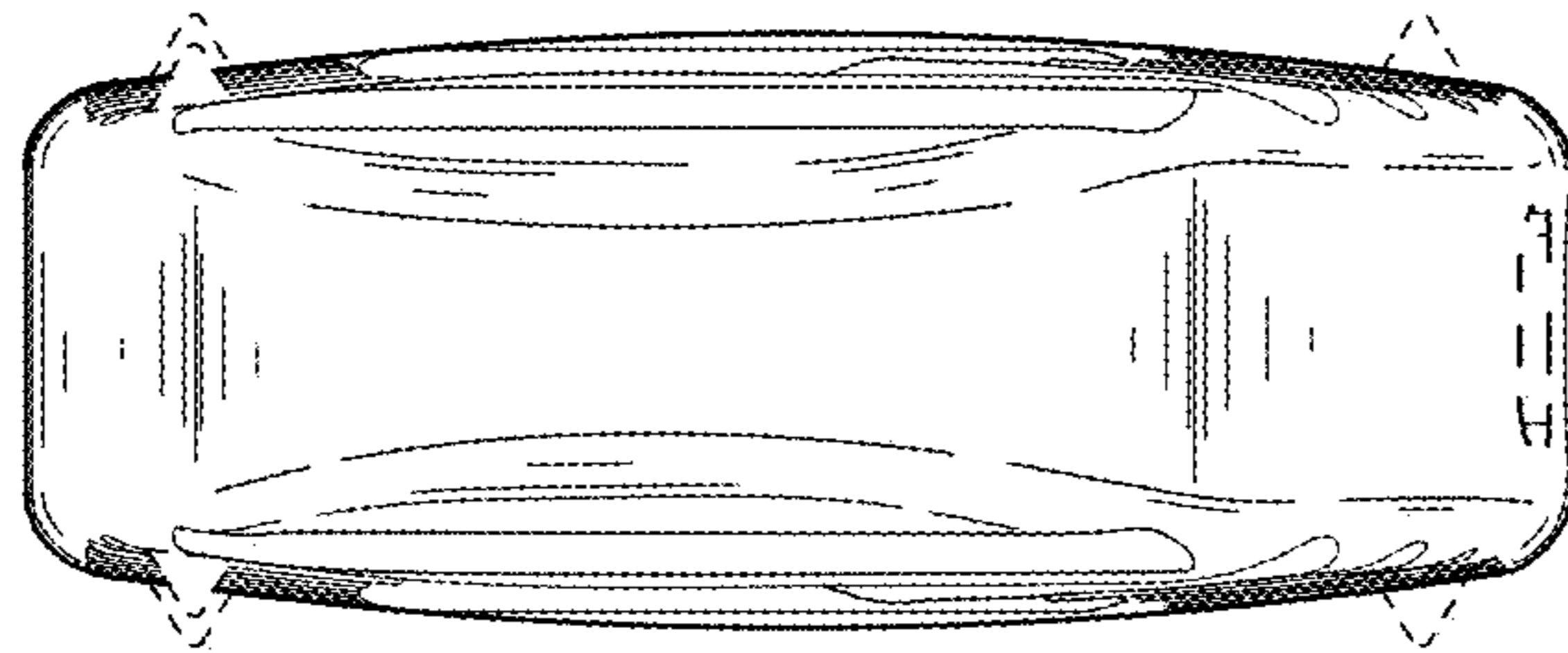
*FIG. 2*



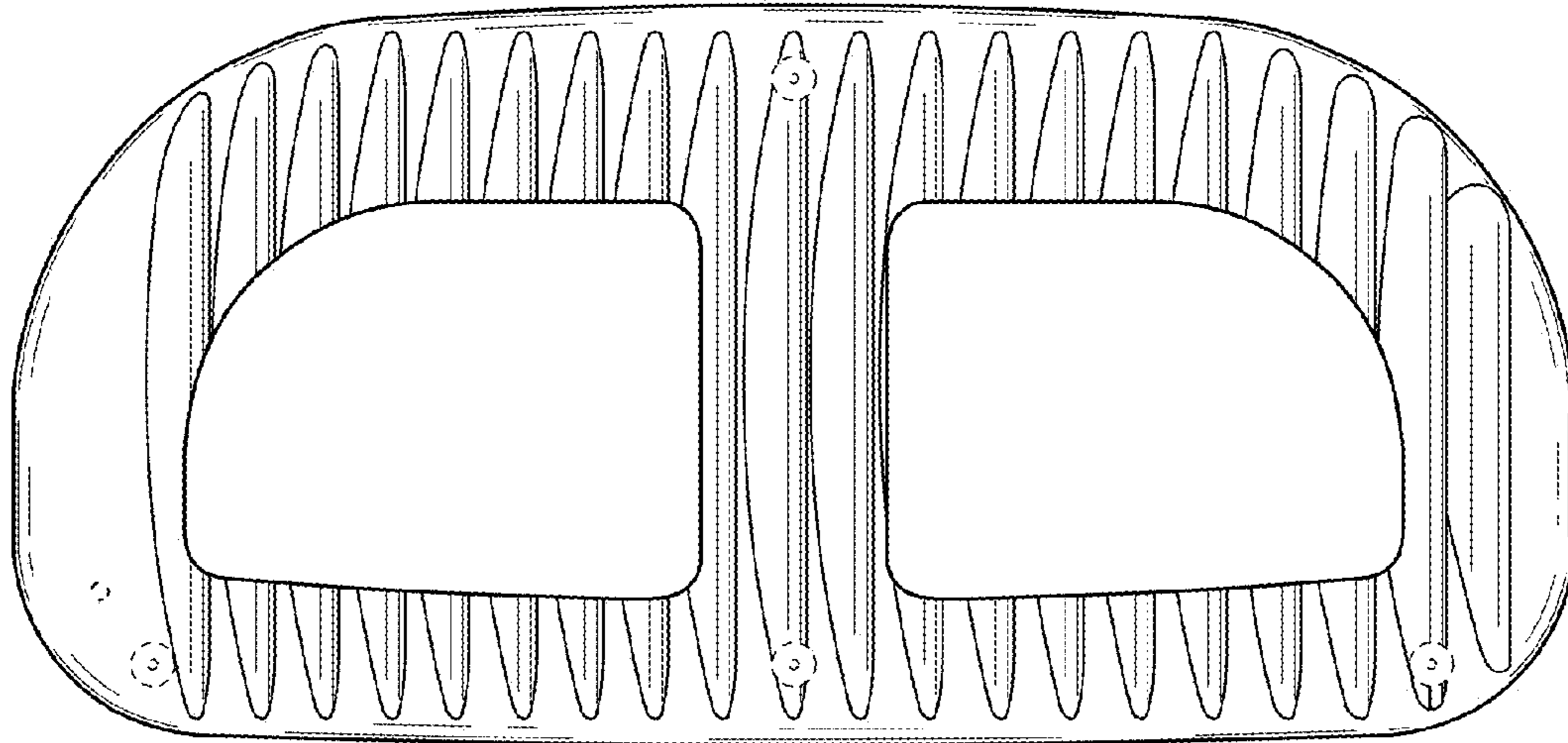
*FIG. 3*



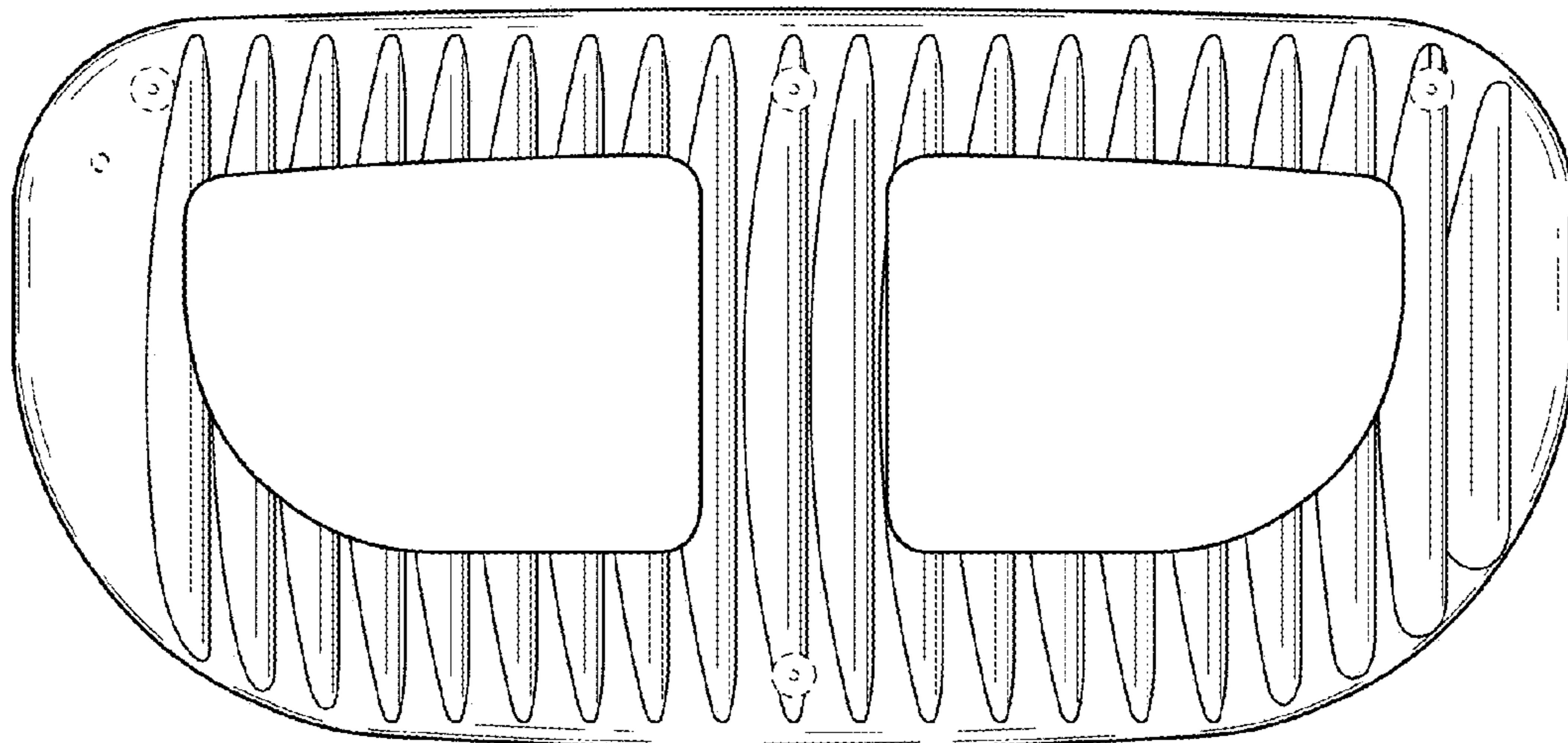
*FIG. 4*



*FIG. 5*



*FIG. 6*



*FIG. 7*