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**Den Hartog et al.**

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(54) **ORTHOPEdic PLATE**

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(51) **LOC (9) Cl.** ..... **24-03**

(52) **U.S. Cl.** ..... **D24/155**

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D24/156, 157; 623/17.11, 16.71; D8/391–393,  
D8/382, 354; 606/246, 247, 248, 249, 258,  
606/267, 280, 70, 71, 283, 299, 166, 903,  
606/905, 906, 286, 396, 17.16, 17.13, 250,  
606/272, 74 D

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,219,015 A	8/1980	Steinemann	
4,493,317 A	1/1985	Klaue	
4,867,144 A *	9/1989	Karas et al.	606/280
D449,692 S	10/2001	Michelson	
6,565,571 B1	5/2003	Jackowski et al.	
6,576,018 B1	6/2003	Holt	
D520,637 S *	5/2006	Kay et al.	D24/155
7,052,499 B2	5/2006	Steger et al.	
7,108,697 B2	9/2006	Mingozzi et al.	
7,189,237 B2	3/2007	Huebner	
7,220,263 B2 *	5/2007	Cordaro	606/70
7,229,442 B2 *	6/2007	Schafer	606/272
7,488,321 B2 *	2/2009	Lin	606/71
7,500,976 B2 *	3/2009	Suh	606/70
7,575,282 B2 *	8/2009	Sutter et al.	297/403
D603,503 S *	11/2009	Kriska et al.	D24/155
D603,504 S *	11/2009	Kriska et al.	D24/155
D603,505 S *	11/2009	Kriska et al.	D24/155
D603,506 S *	11/2009	Kriska et al.	D24/155

7,618,439 B2 *	11/2009	Zubok et al.	606/246
7,695,472 B2 *	4/2010	Young	606/70
2005/0059971 A1	3/2005	Michelson	
2006/0015102 A1	1/2006	Toullec et al.	
2006/0081553 A1	4/2006	Patterson et al.	

(Continued)

**FOREIGN PATENT DOCUMENTS**

JP 20030102744 4/2003

(Continued)

**OTHER PUBLICATIONS**

Diamond Carpal Fusion Plate Surgical Plate by Small Bone Innovations (13 pages).

(Continued)

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(57) **CLAIM**

We claim the ornamental design for an “orthopedic plate,” as shown.

**DESCRIPTION**

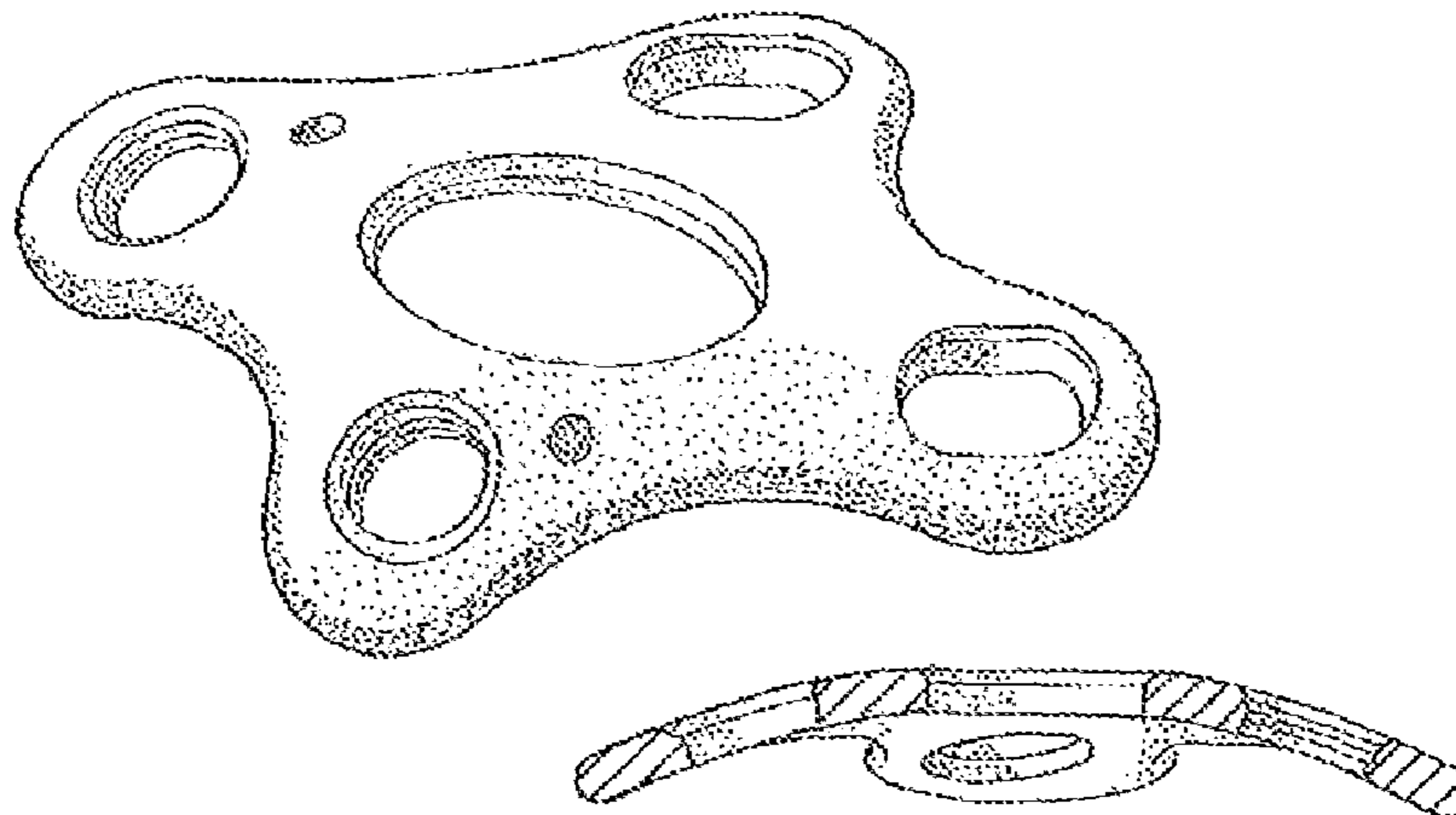
FIG. 1 is a perspective view of an orthopedic plate showing our new design;

FIG. 2 is a top view thereof;

FIG. 3 is a cross-sectional view thereof taken along line 3—3 in FIG. 2; and,

FIG. 4 is a cross-sectional view thereof taken along line 4—4 in FIG. 2.

**1 Claim, 1 Drawing Sheet**



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## U.S. PATENT DOCUMENTS

2006/0106387 A1 5/2006 Fanger et al.  
2006/0173459 A1 8/2006 Kay et al.  
2006/0235396 A1 10/2006 Sanders et al.  
2006/0235397 A1 10/2006 Sanders et al.  
2006/0241592 A1 10/2006 Myerson et al.  
2006/0241607 A1 10/2006 Myerson et al.  
2006/0241608 A1 10/2006 Myerson et al.  
2007/0016205 A1 1/2007 Beutter et al.  
2007/0073298 A1 3/2007 Beutter et al.  
2007/0083204 A1 4/2007 Sidebotham

2007/0233114 A1 10/2007 Bouman

## FOREIGN PATENT DOCUMENTS

JP 20060280951 10/2006

## OTHER PUBLICATIONS

VariAx Foot Locking Plate System by Stryker dated 2009 (23 pages).  
Corresponding International Search Report and Written Opinion  
dated Mar. 27, 2009.  
Foot Reconstructive and Trauma Surgery—Internal and External  
Fixation Systems May 29, 2008 (pp. 2-12).  
New Trauma Products from AO Development, Jun. 2006 (pp. 1-8).  
A Straight Answer for Kids, Jan. 2007 (4 pages).

\* cited by examiner

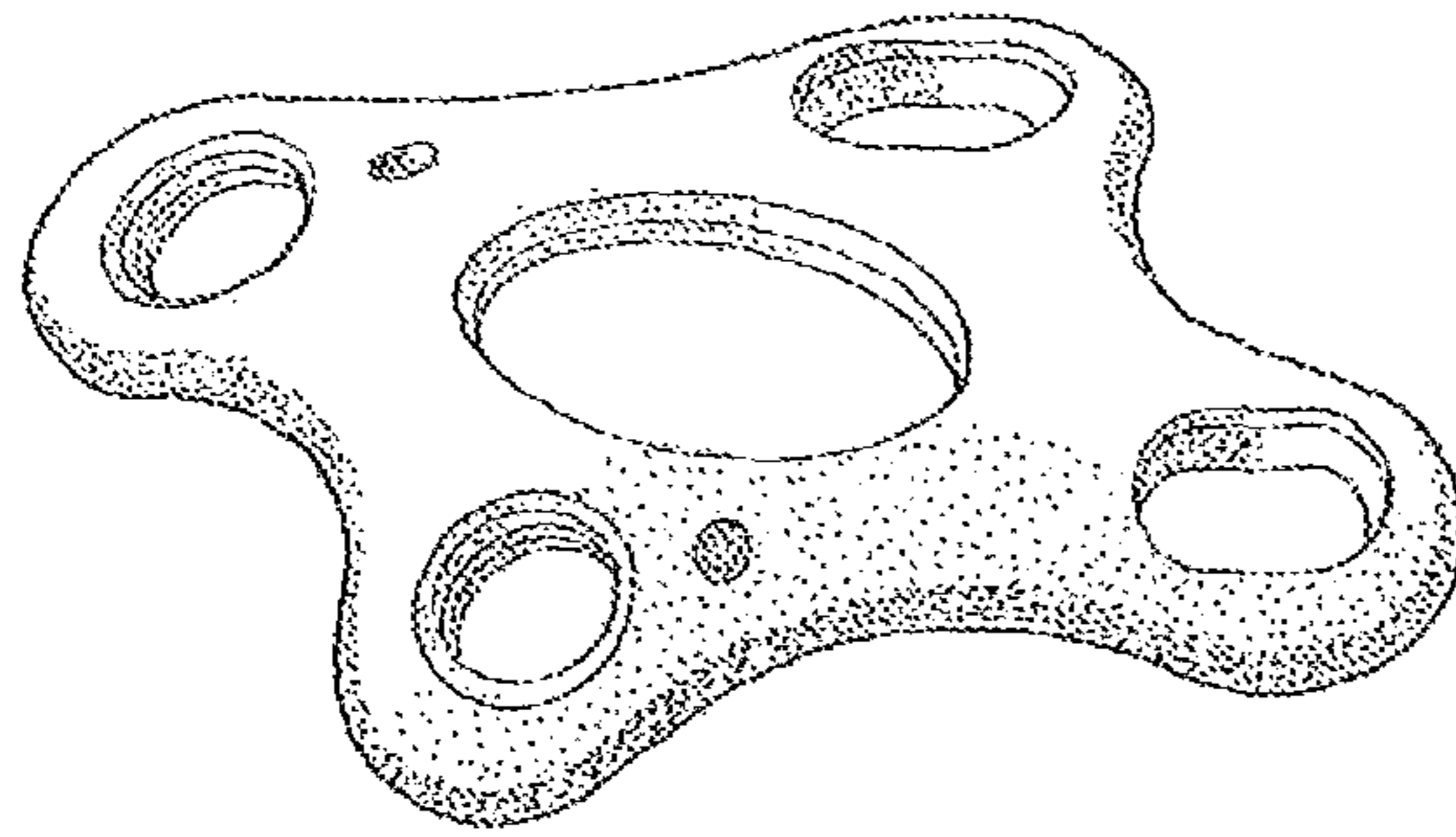


FIG. -1

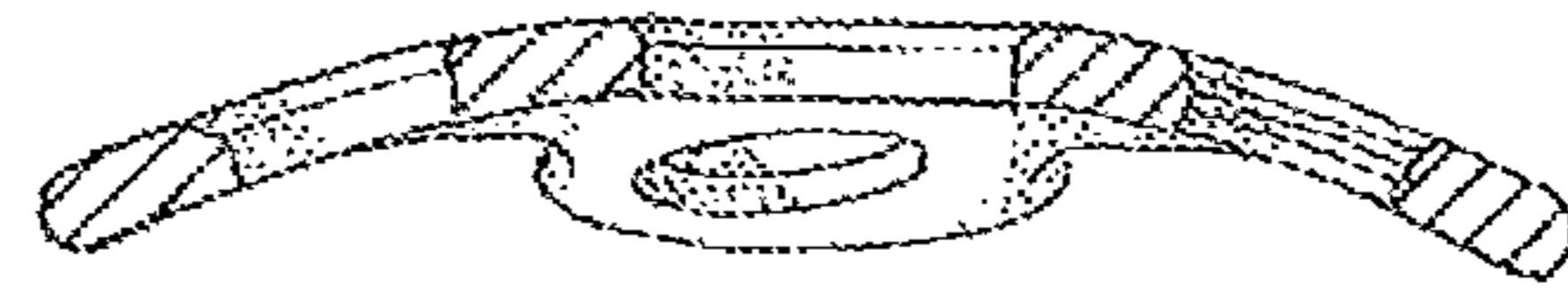


FIG. -3

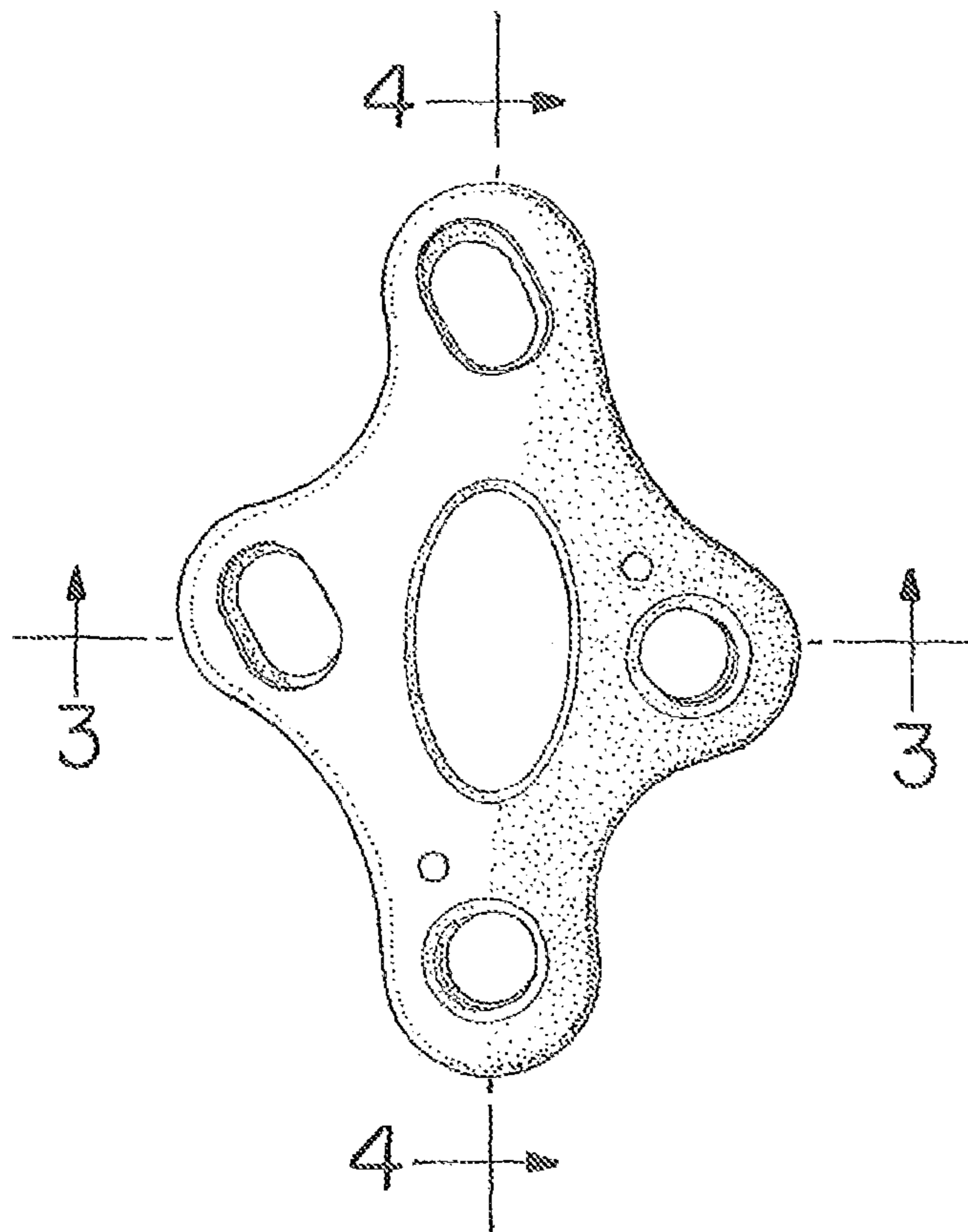


FIG. -2



FIG. -4