



US00D620109S

(12) **United States Design Patent**
Darst Rice et al.

(10) **Patent No.:** **US D620,109 S**

(45) **Date of Patent:** **** Jul. 20, 2010**

(54) **SURGICAL INSTALLATION TOOL**

OTHER PUBLICATIONS

(75) Inventors: **Mark W. Darst Rice**, Minneapolis, MN (US); **Daniel G. Brown**, Edina, MN (US); **Paul F. Boschert**, Minneapolis, MN (US); **Charles A. Wood**, Minneapolis, MN (US); **Ronaldo F. Carreon**, San Francisco, CA (US); **Deborah L. Hoch**, Minneapolis, MN (US); **Zachary M. Hoffman**, Bloomington, MN (US)

Davis, Regmald J. and Maxwell, James H., "Dynesys LIS surgical technique;" Dynesys LIS Less Invasive Surgery, The Dynamic Stabilization System, 2005, Zimmer SPine, Inc., 24 pgs.

Primary Examiner—Lisa P Lichtenstein
(74) *Attorney, Agent, or Firm*—Crompton, Seager & Tufte, LLC.

(73) Assignee: **Zimmer Spine, Inc.**, Minneapolis, MN (US)

(57) **CLAIM**

An ornamental design for a surgical installation tool, as shown and described.

(**) Term: **14 Years**

(21) Appl. No.: **29/330,097**

DESCRIPTION

(22) Filed: **Dec. 29, 2008**

Related U.S. Application Data

(63) Continuation-in-part of application No. 12/025,984, filed on Feb. 5, 2008.

FIG. 1 is a first perspective view of a surgical installation tool to the present invention;

(51) **LOC (9) Cl.** **24-02**

FIG. 2 is a second perspective view of the surgical installation tool of FIG. 1;

(52) **U.S. Cl.** **D24/146**

FIG. 3 is a front plan view of the surgical installation tool of FIG. 1;

(58) **Field of Classification Search** D24/133, D24/146, 147; 606/61, 86 A, 254, 262
See application file for complete search history.

FIG. 4 is a back plan view of the surgical installation tool of FIG. 1;

(56) **References Cited**

FIG. 5 is a right side plan view of the surgical installation tool of FIG. 1;

U.S. PATENT DOCUMENTS

4,743,260 A 5/1988 Burton

FIG. 6 is a left side plan view of the surgical installation tool of FIG. 1;

(Continued)

FOREIGN PATENT DOCUMENTS

EP 0516567 A1 12/1992

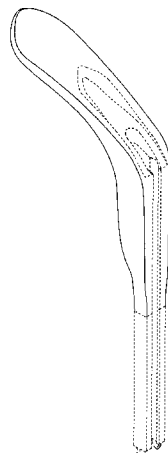
FIG. 7 is a top plan view of the surgical installation tool of FIG. 1; and,

FIG. 8 is a bottom plan view of the surgical installation tool of FIG. 1.

The broken line showing of portions of a surgical installation tool is included for the purpose of illustrating environmental structure and forms no part of the claimed design.

(Continued)

1 Claim, 8 Drawing Sheets



US D620,109 S

U.S. PATENT DOCUMENTS

5,176,708 A 1/1993 Frey et al.
 5,242,446 A * 9/1993 Steffee et al. 606/254
 5,375,823 A 12/1994 Navas
 5,540,688 A 7/1996 Navas
 5,562,660 A * 10/1996 Grob 606/258
 5,725,582 A 3/1998 Bevan et al.
 5,782,831 A 7/1998 Sherman et al.
 RE36,221 E 6/1999 Breard et al.
 6,248,106 B1 6/2001 Ferree
 6,290,700 B1 9/2001 Schmotzer
 6,610,079 B1 8/2003 Li et al.
 6,802,844 B2 10/2004 Ferree
 6,986,771 B2 1/2006 Paul et al.
 6,989,011 B2 1/2006 Paul et al.
 7,008,424 B2 3/2006 Teitelbaum
 7,029,475 B2 4/2006 Panjabi
 7,137,985 B2 11/2006 Jahng
 7,326,210 B2 2/2008 Jahng et al.
 D607,103 S * 12/2009 Ulrich D24/146
 2002/0035366 A1 3/2002 Walder et al.
 2004/0049189 A1 3/2004 Le Couedic et al.
 2004/0215191 A1 10/2004 Kitchen
 2004/0225289 A1 11/2004 Biedermann et al.
 2005/0010220 A1 1/2005 Casutt et al.
 2005/0056979 A1 3/2005 Studer et al.
 2005/0065516 A1 3/2005 Jahng
 2005/0085815 A1 4/2005 Harms et al.
 2005/0096652 A1 5/2005 Burton
 2005/0124991 A1 6/2005 Jahng
 2005/0143737 A1 6/2005 Pafford et al.
 2005/0154390 A1 7/2005 Biedermann et al.
 2005/0177157 A1 8/2005 Jahng
 2005/0203511 A1 9/2005 Wilson-MacDonald et al.
 2005/0203513 A1 9/2005 Jahng et al.
 2005/0203514 A1 9/2005 Jahng et al.
 2005/0203517 A1 9/2005 Jahng et al.
 2005/0277922 A1 12/2005 Trieu et al.
 2006/0106380 A1 5/2006 Colleran et al.
 2006/0111715 A1 5/2006 Jackson
 2006/0142758 A1 6/2006 Petit
 2006/0173454 A1 8/2006 Spitler et al.
 2006/0195093 A1 8/2006 Jahng
 2006/0200129 A1 9/2006 Denti
 2006/0212033 A1 9/2006 Rothman et al.
 2006/0229615 A1 10/2006 Abdou
 2006/0247638 A1 11/2006 Trieu et al.
 2007/0005062 A1 1/2007 Lange et al.
 2007/0005063 A1 1/2007 Bruneau et al.
 2007/0016200 A1 1/2007 Jackson
 2007/0055244 A1 3/2007 Jackson
 2007/0100341 A1 5/2007 Reglos et al.
 2007/0118119 A1 5/2007 Hestad
 2007/0129729 A1 6/2007 Petit et al.
 2007/0198088 A1 8/2007 Biedermann et al.
 2007/0225710 A1 9/2007 Jahng et al.
 2007/0233075 A1 10/2007 Dawson
 2007/0233087 A1 10/2007 Schlapfer
 2007/0233095 A1 10/2007 Schlaepfer

2007/0239158 A1 10/2007 Trieu et al.
 2007/0270821 A1 11/2007 Trieu et al.
 2007/0270860 A1 11/2007 Jackson
 2007/0293862 A1 12/2007 Jackson
 2008/0009863 A1 1/2008 Bond et al.
 2008/0021459 A1 1/2008 Lim
 2008/0021465 A1 1/2008 Shadduck et al.
 2008/0039843 A1 2/2008 Abdou
 2008/0091213 A1 4/2008 Jackson
 2008/0140076 A1 6/2008 Jackson
 2008/0147122 A1 6/2008 Jackson
 2008/0161857 A1 7/2008 Hestad et al.
 2008/0177317 A1 7/2008 Jackson
 2008/0183216 A1 7/2008 Jackson
 2008/0195153 A1 8/2008 Thompson
 2008/0234737 A1 9/2008 Boschert
 2008/0234738 A1 9/2008 Zylber et al.
 2008/0234744 A1 9/2008 Zylber et al.
 2008/0262551 A1 10/2008 Rice et al.
 2008/0275456 A1 11/2008 Vonwiller et al.
 2008/0294198 A1 11/2008 Jackson
 2008/0300633 A1 12/2008 Jackson
 2008/0319486 A1 12/2008 Hestad et al.
 2009/0005817 A1 1/2009 Friedrich et al.
 2009/0012562 A1 1/2009 Hestad et al.
 2009/0036924 A1 2/2009 Egli et al.
 2009/0082815 A1 3/2009 Zylber et al.
 2009/0093846 A1 4/2009 Hestad
 2009/0099606 A1 4/2009 Hestad et al.

FOREIGN PATENT DOCUMENTS

EP 0669109 A1 8/1995
 EP 0669109 B1 8/1995
 EP 1523949 A1 4/2005
 EP 1523949 B1 4/2005
 EP 1719468 A1 11/2006
 FR 2715057 A1 7/1995
 FR 2775583 A1 9/1999
 FR 2844180 A1 3/2004
 FR 2867057 A1 9/2005
 NL 7610576 3/1978
 WO 9519149 7/1995
 WO 9905980 A1 2/1999
 WO 9944527 A1 9/1999
 WO 2004024011 A1 3/2004
 WO 2004089244 A2 10/2004
 WO 2005037110 A2 4/2005
 WO 2005037150 A1 4/2005
 WO 2005087121 A1 9/2005
 WO 2006066685 A1 6/2006
 WO 2007044795 A2 4/2007
 WO 2007087476 A1 8/2007
 WO 2008006098 A2 1/2008
 WO 2008013892 A2 1/2008
 WO 2008021319 A2 2/2008
 WO 2008034130 A2 3/2008
 WO 20080134703 A2 11/2008

* cited by examiner

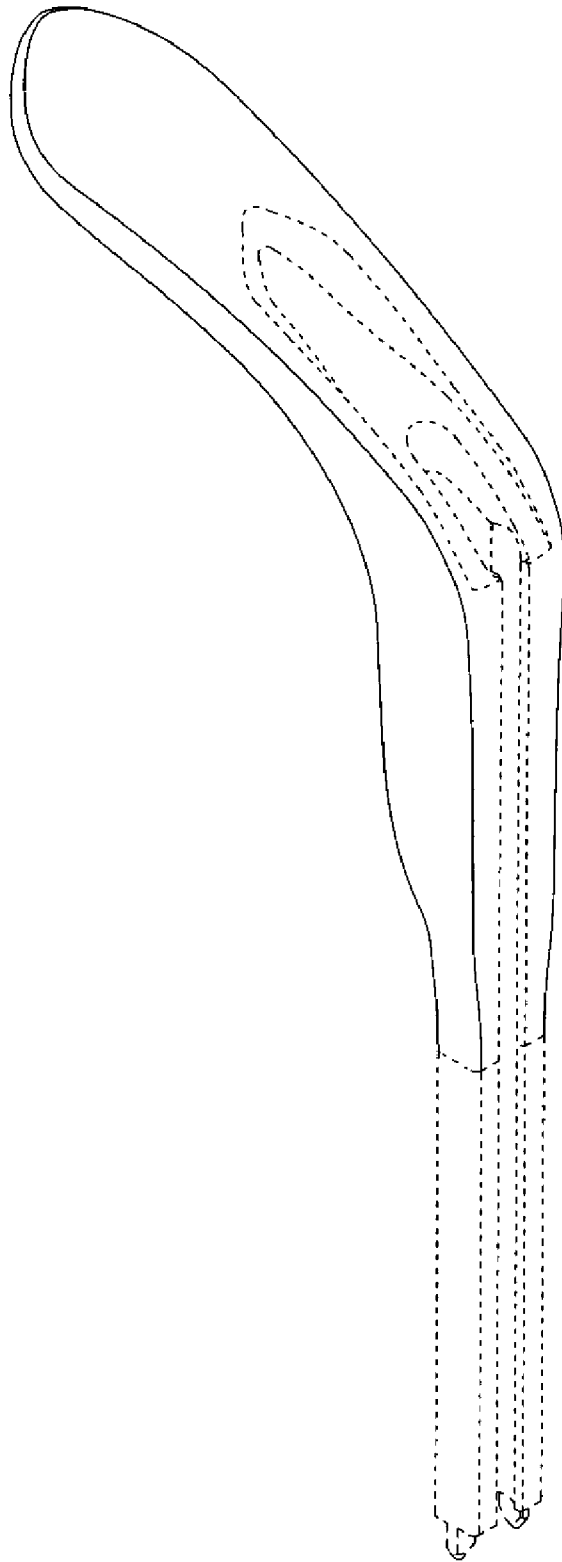


Figure 1

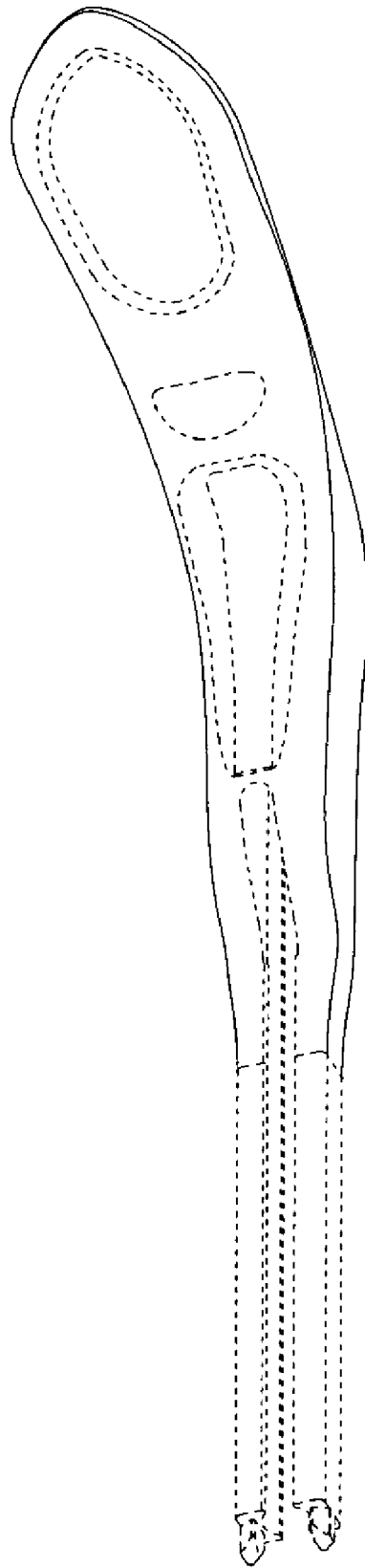


Figure 2

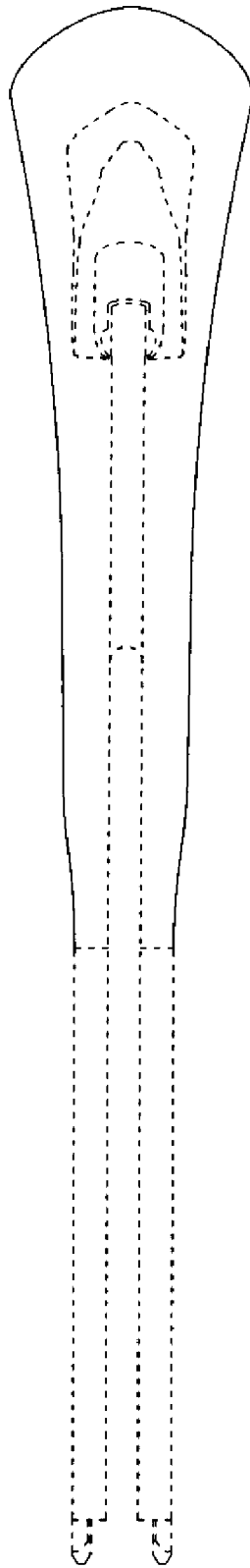


Figure 3

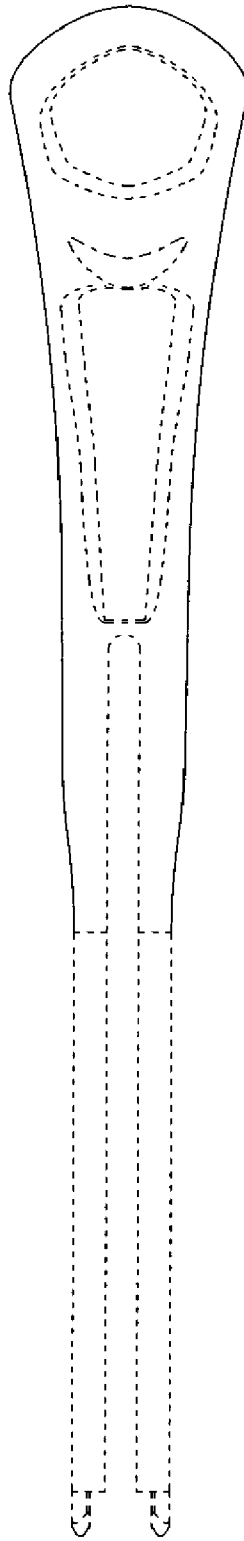


Figure 4

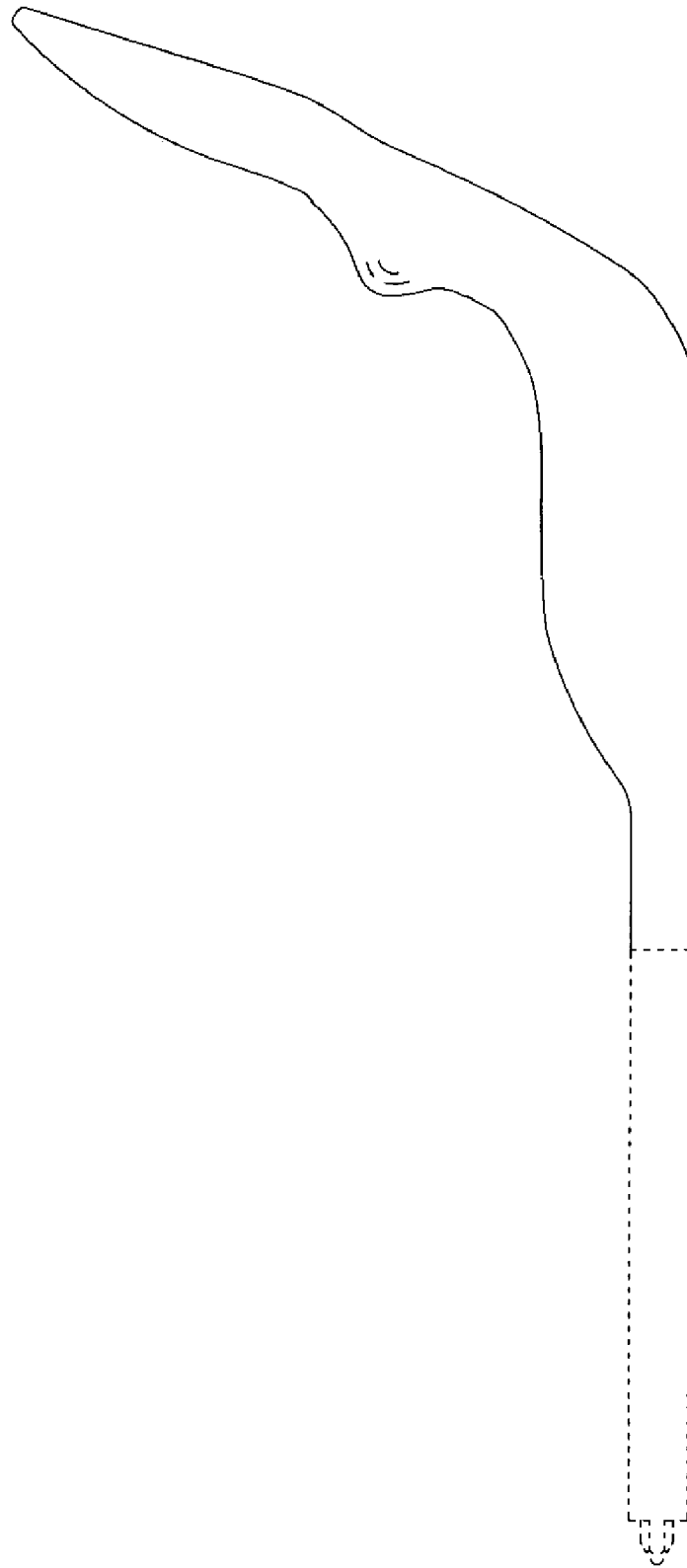


Figure 5

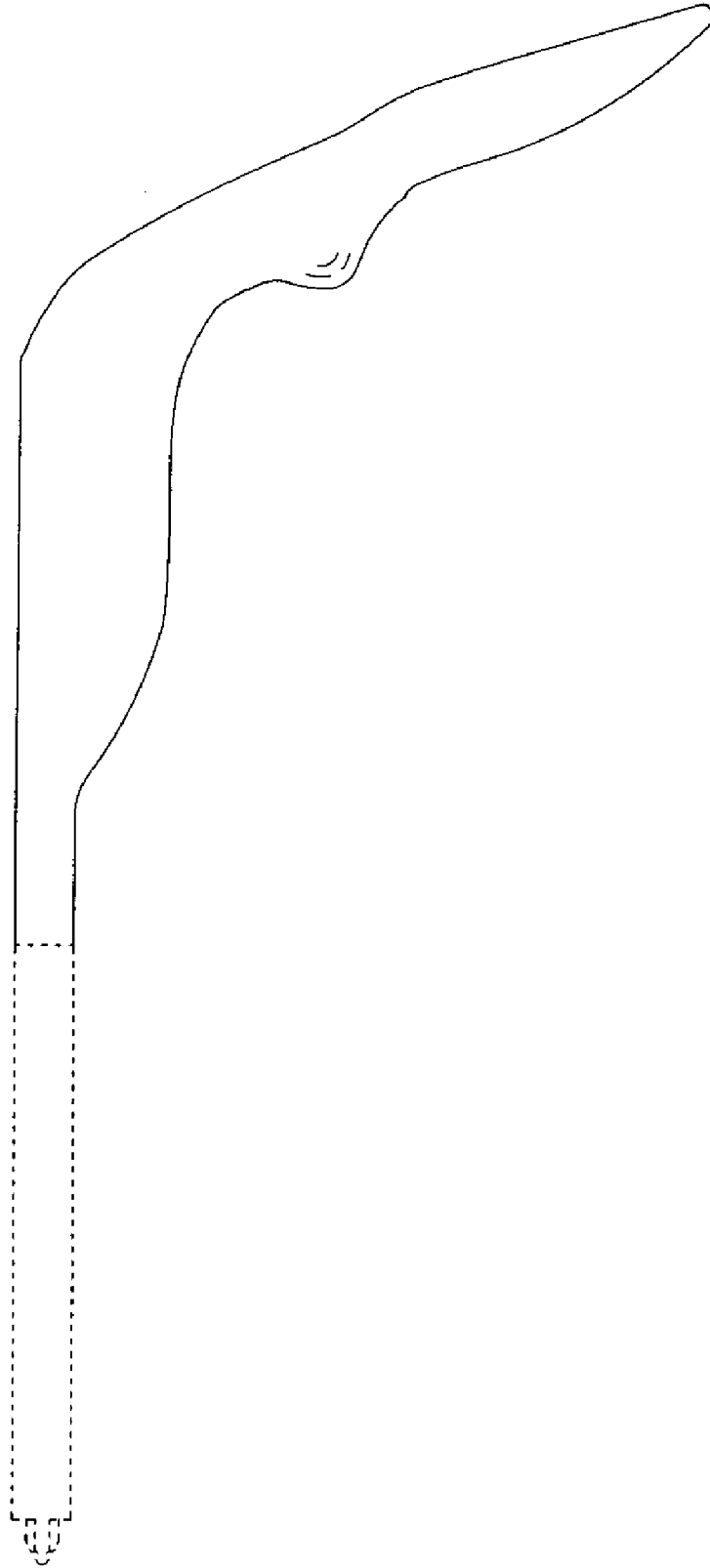


Figure 6

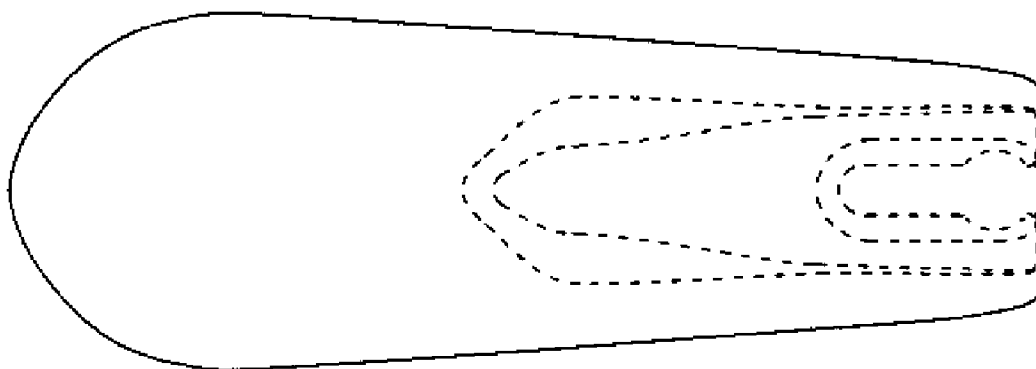


Figure 7

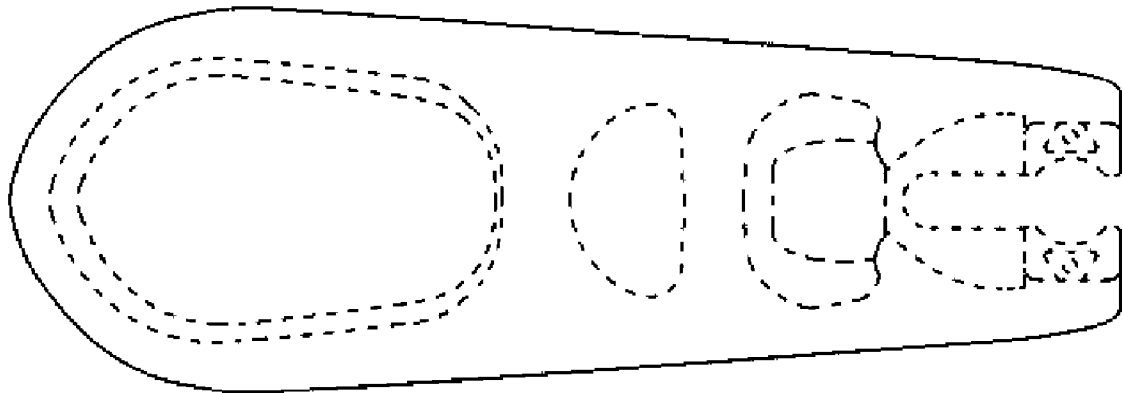


Figure 8