



US00D788302S

(12) **United States Design Patent**  
**O'Neill et al.**

(10) **Patent No.:** **US D788,302 S**

(45) **Date of Patent:** **\*\* May 30, 2017**

- (54) **KNIFE FOR ENDOSCOPIC ELECTROSURGICAL FORCEPS**
- (71) Applicant: **COVIDIEN LP**, Mansfield, MA (US)
- (72) Inventors: **Sean T. O'Neill**, Los Gatos, CA (US);  
**Jessica E. C. Olson**, Frederick, CO (US)
- (73) Assignee: **COVIDIEN LP**, Mansfield, MA (US)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/542,274**
- (22) Filed: **Oct. 13, 2015**

**Related U.S. Application Data**

- (63) Continuation of application No. 14/043,322, filed on Oct. 1, 2013, now Pat. No. 9,265,566.
- (51) **LOC (10) Cl.** ..... **24-02**
- (52) **U.S. Cl.**  
USPC ..... **D24/146**
- (58) **Field of Classification Search**  
USPC ..... D24/133, 146, 147, 144, 168, 170, 187;  
606/79, 84, 87; D8/5, 20, 92, 99  
See application file for complete search history.

**References Cited**

**U.S. PATENT DOCUMENTS**

|              |         |                 |               |
|--------------|---------|-----------------|---------------|
| 3,522,809 A  | 8/1970  | Cornell         |               |
| D249,549 S   | 9/1978  | Pike            |               |
| D254,326 S * | 2/1980  | Nevrekar        | ..... D24/140 |
| D263,020 S   | 2/1982  | Rau, III        |               |
| D295,893 S   | 5/1988  | Sharkany et al. |               |
| D295,894 S   | 5/1988  | Sharkany et al. |               |
| D298,353 S   | 11/1988 | Manno           |               |
| D299,413 S   | 1/1989  | DeCarolis       |               |

|              |        |                 |               |
|--------------|--------|-----------------|---------------|
| D337,160 S * | 7/1993 | Evans           | ..... D24/146 |
| D343,453 S   | 1/1994 | Noda            |               |
| D348,930 S   | 7/1994 | Olson           |               |
| D349,341 S   | 8/1994 | Lichtman et al. |               |
| D354,564 S   | 1/1995 | Medema          |               |
|              |        | (Continued)     |               |

**OTHER PUBLICATIONS**

U.S. Appl. No. 08/926,868, filed Sep. 10, 1997, James G. Chandler.  
(Continued)

*Primary Examiner* — Garth Rademaker  
*Assistant Examiner* — Samantha Q Lawrence

(57) **CLAIM**

The ornamental design for a knife for endoscopic electro-surgical forceps, as shown and described.

**DESCRIPTION**

FIG. 1 is a right, front, perspective view of a knife for endoscopic electro-surgical forceps in accordance with the present design;

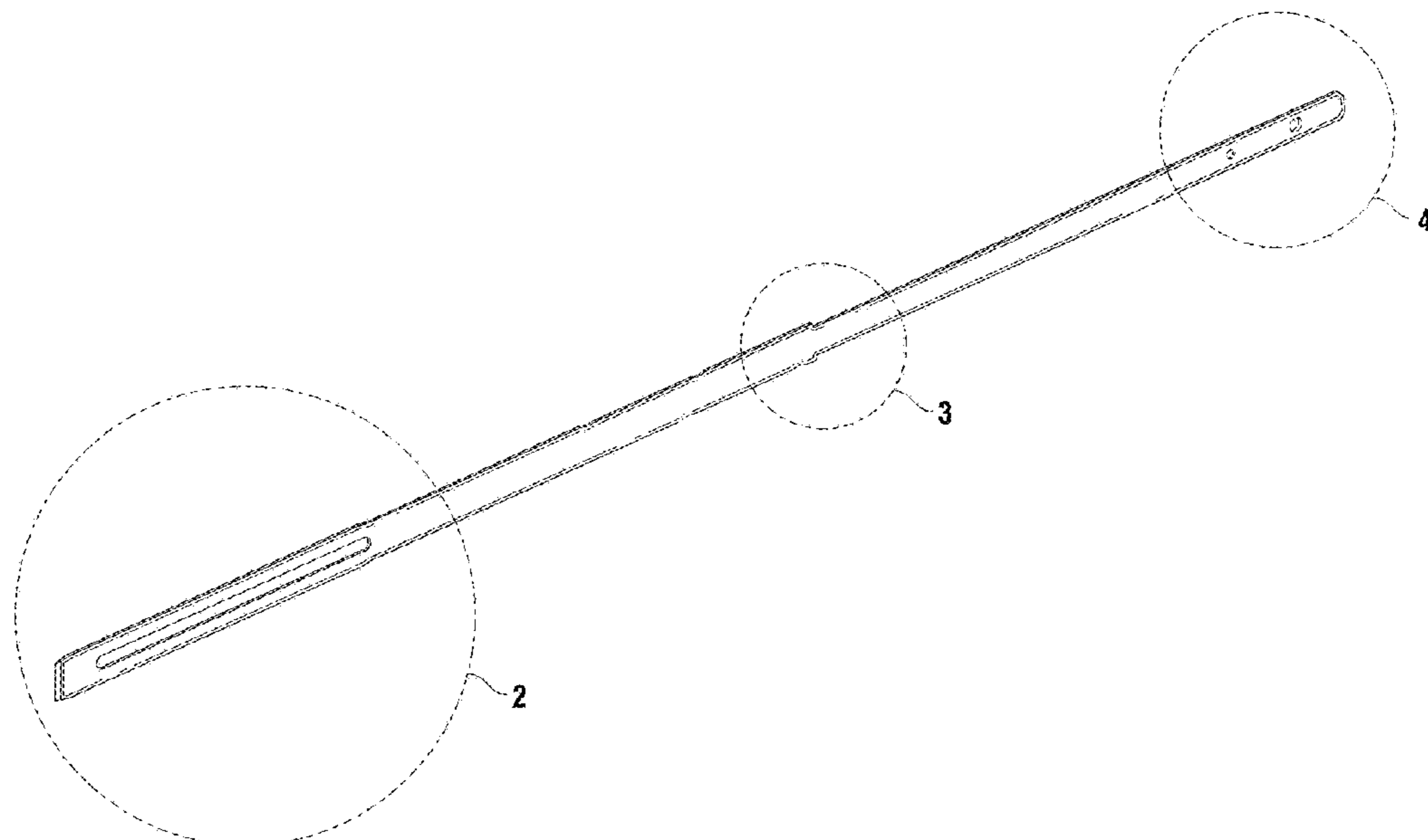
FIG. 2 is an enlarged, right, front, perspective view of the area of detail indicated as "2" in FIG. 1;

FIG. 3 is an enlarged, right, front, perspective view of the area of detail indicated as "3" in FIG. 1; and,

FIG. 4 is an enlarged, right, front, perspective view of the area of detail indicated as "4" in FIG. 1.

The left side of the knife for endoscopic electro-surgical forceps, although not illustrated in the drawings, is an identical mirror image of the right side of the knife for endoscopic electro-surgical forceps, illustrated in FIGS. 1-4. The broken lines on the sides of the article illustrate portions of the knife for endoscopic electro-surgical forceps that form no part of the claimed design. Additional broken lines shown in FIGS. 2-4 illustrate boundaries of the figures and form no part of the claimed design.

**1 Claim, 2 Drawing Sheets**



(56)

## References Cited

| U.S. PATENT DOCUMENTS |     |                                |
|-----------------------|-----|--------------------------------|
| 5,383,471             | A   | 1/1995 Funnell                 |
| D358,887              | S   | 5/1995 Feinberg                |
| 5,445,638             | A   | 8/1995 Rydell et al.           |
| 5,462,546             | A   | 10/1995 Rydell                 |
| 5,484,436             | A   | 1/1996 Eggers et al.           |
| 5,486,189             | A   | 1/1996 Mudry et al.            |
| 5,591,188             | A   | 1/1997 Waisman                 |
| 5,611,813             | A   | 3/1997 Lichtman                |
| D384,413              | S   | 9/1997 Zlock et al.            |
| D385,163              | S * | 10/1997 Hutchins ..... D24/146 |
| 5,707,392             | A   | 1/1998 Kortenbach              |
| H1745                 | H   | 8/1998 Paraschac               |
| 5,797,938             | A   | 8/1998 Paraschac et al.        |
| 5,800,449             | A   | 9/1998 Wales                   |
| 5,807,393             | A   | 9/1998 Williamson, IV et al.   |
| 5,833,690             | A   | 11/1998 Yates et al.           |
| D402,028              | S   | 12/1998 Grimm et al.           |
| 5,849,022             | A   | 12/1998 Sakashita et al.       |
| D408,018              | S   | 4/1999 McNaughton              |
| 5,891,142             | A   | 4/1999 Eggers et al.           |
| 5,906,630             | A   | 5/1999 Anderhub et al.         |
| 5,911,719             | A   | 6/1999 Eggers                  |
| 5,925,043             | A   | 7/1999 Kumar et al.            |
| 5,957,923             | A   | 9/1999 Hahnen et al.           |
| D416,089              | S   | 11/1999 Barton et al.          |
| 6,024,741             | A   | 2/2000 Williamson, IV et al.   |
| 6,041,679             | A   | 3/2000 Slater et al.           |
| D424,694              | S   | 5/2000 Tetzlaff et al.         |
| D425,201              | S   | 5/2000 Tetzlaff et al.         |
| 6,059,782             | A   | 5/2000 Novak et al.            |
| 6,117,158             | A   | 9/2000 Measamer et al.         |
| 6,123,701             | A   | 9/2000 Nezhath                 |
| H1904                 | H   | 10/2000 Yates et al.           |
| 6,149,794             | A   | 11/2000 Heimann et al.         |
| 6,206,877             | B1  | 3/2001 Kese et al.             |
| 6,258,243             | B1  | 7/2001 Heimann et al.          |
| 6,270,497             | B1  | 8/2001 Sekino et al.           |
| D449,886              | S   | 10/2001 Tetzlaff et al.        |
| D453,923              | S   | 2/2002 Olson                   |
| D454,951              | S   | 3/2002 Bon                     |
| D457,958              | S   | 5/2002 Dycus et al.            |
| D457,959              | S   | 5/2002 Tetzlaff et al.         |
| H2037                 | H   | 7/2002 Yates et al.            |
| 6,443,952             | B1  | 9/2002 Mulier et al.           |
| D465,281              | S   | 11/2002 Lang                   |
| D466,209              | S   | 11/2002 Bon                    |
| 6,669,695             | B2  | 12/2003 Luigi                  |
| 6,682,527             | B2  | 1/2004 Strul                   |
| D492,412              | S * | 6/2004 Desoutter ..... D24/146 |
| D493,888              | S   | 8/2004 Reschke                 |
| 6,776,780             | B2  | 8/2004 Mulier et al.           |
| D496,997              | S   | 10/2004 Dycus et al.           |
| D499,181              | S   | 11/2004 Dycus et al.           |
| D502,994              | S   | 3/2005 Blake, III              |
| D503,800              | S * | 4/2005 Ebner ..... D24/146     |
| D509,297              | S   | 9/2005 Wells                   |
| 6,964,662             | B2  | 11/2005 Kidooka                |
| D525,361              | S   | 7/2006 Hushka                  |
| D525,707              | S * | 7/2006 Kullmer ..... D24/146   |
| 7,083,618             | B2  | 8/2006 Couture et al.          |
| 7,090,673             | B2  | 8/2006 Dycus et al.            |
| D529,173              | S * | 9/2006 Weisel ..... D24/145    |
| 7,101,371             | B2  | 9/2006 Dycus et al.            |
| 7,101,372             | B2  | 9/2006 Dycus et al.            |
| 7,101,373             | B2  | 9/2006 Dycus et al.            |
| D530,421              | S * | 10/2006 Topper ..... D24/145   |
| D531,311              | S   | 10/2006 Guerra et al.          |
| 7,131,971             | B2  | 11/2006 Dycus et al.           |
| D533,274              | S   | 12/2006 Visconti et al.        |
| D533,942              | S   | 12/2006 Kerr et al.            |
| D535,027              | S   | 1/2007 James et al.            |
| D536,791              | S * | 2/2007 Eskridge ..... D24/146  |
| D538,932              | S   | 3/2007 Malik                   |
| D541,418              | S   | 4/2007 Schechter et al.        |
| D541,611              | S   | 5/2007 Aglassinger             |
| D541,938              | S   | 5/2007 Kerr et al.             |
| D545,432              | S   | 6/2007 Watanabe                |
| D547,154              | S   | 7/2007 Lee                     |
| 7,255,697             | B2  | 8/2007 Dycus et al.            |
| D554,256              | S * | 10/2007 Eskridge ..... D24/146 |
| D564,662              | S   | 3/2008 Moses et al.            |
| D565,733              | S * | 4/2008 Andre ..... D24/133     |
| D567,943              | S   | 4/2008 Moses et al.            |
| 7,384,420             | B2  | 6/2008 Dycus et al.            |
| D575,395              | S   | 8/2008 Hushka                  |
| D575,401              | S   | 8/2008 Hixson et al.           |
| D582,038              | S   | 12/2008 Swoyer et al.          |
| D617,900              | S   | 6/2010 Kingsley et al.         |
| D617,901              | S   | 6/2010 Unger et al.            |
| D617,902              | S   | 6/2010 Twomey et al.           |
| D617,903              | S   | 6/2010 Unger et al.            |
| D618,798              | S   | 6/2010 Olson et al.            |
| D621,503              | S   | 8/2010 Otten et al.            |
| 7,766,910             | B2  | 8/2010 Hixson et al.           |
| D624,185              | S * | 9/2010 McGinley ..... D24/146  |
| D627,462              | S   | 11/2010 Kingsley               |
| D627,464              | S * | 11/2010 Nelson ..... D24/146   |
| D628,289              | S   | 11/2010 Romero                 |
| D628,290              | S   | 11/2010 Romero                 |
| D629,900              | S * | 12/2010 Fisher ..... D24/146   |
| D630,324              | S   | 1/2011 Reschke                 |
| D649,249              | S   | 11/2011 Guerra                 |
| D649,643              | S   | 11/2011 Allen, IV et al.       |
| 8,070,748             | B2  | 12/2011 Hixson et al.          |
| D661,394              | S   | 6/2012 Romero et al.           |
| 8,333,765             | B2  | 12/2012 Johnson et al.         |
| 8,454,602             | B2  | 6/2013 Kerr et al.             |
| 8,523,898             | B2  | 9/2013 Bucciaglia et al.       |
| 8,529,566             | B2  | 9/2013 Kappus et al.           |
| 8,568,408             | B2  | 10/2013 Townsend et al.        |
| 8,591,510             | B2  | 11/2013 Allen, IV et al.       |
| 8,628,557             | B2  | 1/2014 Collings et al.         |
| 8,679,140             | B2  | 3/2014 Butcher                 |
| RE44,834              | E   | 4/2014 Dumbauld et al.         |
| D716,944              | S * | 11/2014 Fisher ..... D24/146   |
| D742,002              | S * | 10/2015 Fisher ..... D24/146   |
| 9,161,769             | B2  | 10/2015 Stoddard et al.        |
| 9,192,421             | B2  | 11/2015 Garrison               |
| D771,255              | S * | 11/2016 Weber ..... D24/146    |
| 2002/0058925          | A1  | 5/2002 Kaplan et al.           |
| 2002/0099373          | A1  | 7/2002 Schulze et al.          |
| 2002/0188294          | A1  | 12/2002 Couture et al.         |
| 2003/0018331          | A1  | 1/2003 Dycus et al.            |
| 2003/0229344          | A1  | 12/2003 Dycus et al.           |
| 2004/0087943          | A1  | 5/2004 Dycus et al.            |
| 2009/0182327          | A1  | 7/2009 Unger                   |
| 2009/0209960          | A1  | 8/2009 Chojin                  |
| 2010/0082041          | A1  | 4/2010 Prisco                  |
| 2010/0094287          | A1  | 4/2010 Cunningham et al.       |
| 2010/0179545          | A1  | 7/2010 Twomey et al.           |
| 2011/0009864          | A1  | 1/2011 Bucciaglia et al.       |
| 2011/0184405          | A1  | 7/2011 Mueller                 |
| 2011/0301592          | A1  | 12/2011 Kerr et al.            |
| 2011/0301603          | A1  | 12/2011 Kerr et al.            |
| 2012/0116433          | A1  | 5/2012 Houser et al.           |
| 2012/0226276          | A1  | 9/2012 Dycus                   |
| 2012/0239034          | A1  | 9/2012 Horner et al.           |
| 2012/0253344          | A1  | 10/2012 Dumbauld et al.        |
| 2012/0259331          | A1  | 10/2012 Garrison               |
| 2012/0265241          | A1  | 10/2012 Hart et al.            |
| 2012/0283727          | A1  | 11/2012 Twomey                 |
| 2012/0283734          | A1  | 11/2012 Ourada                 |
| 2012/0296205          | A1  | 11/2012 Chernov et al.         |
| 2012/0296238          | A1  | 11/2012 Chernov et al.         |
| 2012/0296239          | A1  | 11/2012 Chernov et al.         |
| 2012/0296317          | A1  | 11/2012 Chernov et al.         |
| 2012/0296323          | A1  | 11/2012 Chernov et al.         |
| 2012/0296324          | A1  | 11/2012 Chernov et al.         |
| 2012/0296332          | A1  | 11/2012 Chernov et al.         |
| 2012/0296333          | A1  | 11/2012 Twomey                 |
| 2012/0296334          | A1  | 11/2012 Kharin                 |
| 2012/0296371          | A1  | 11/2012 Kappus et al.          |
| 2012/0303021          | A1  | 11/2012 Guerra et al.          |
| 2012/0303025          | A1  | 11/2012 Garrison               |

(56)

## References Cited

## U.S. PATENT DOCUMENTS

|              |    |         |                   |              |    |         |                   |
|--------------|----|---------|-------------------|--------------|----|---------|-------------------|
| 2012/0303026 | A1 | 11/2012 | Dycus et al.      | 2013/0247343 | A1 | 9/2013  | Horner et al.     |
| 2012/0310240 | A1 | 12/2012 | Olson et al.      | 2013/0253489 | A1 | 9/2013  | Nau, Jr. et al.   |
| 2012/0316601 | A1 | 12/2012 | Twomey            | 2013/0255063 | A1 | 10/2013 | Hart et al.       |
| 2012/0323238 | A1 | 12/2012 | Tyrrell et al.    | 2013/0267948 | A1 | 10/2013 | Kerr et al.       |
| 2012/0330308 | A1 | 12/2012 | Joseph            | 2013/0267949 | A1 | 10/2013 | Kerr              |
| 2012/0330309 | A1 | 12/2012 | Joseph            | 2013/0270322 | A1 | 10/2013 | Scheib et al.     |
| 2013/0014375 | A1 | 1/2013  | Hempstead et al.  | 2013/0274736 | A1 | 10/2013 | Garrison          |
| 2013/0018364 | A1 | 1/2013  | Chernov et al.    | 2013/0282010 | A1 | 10/2013 | McKenna et al.    |
| 2013/0018371 | A1 | 1/2013  | Twomey            | 2013/0289561 | A1 | 10/2013 | Waler et al.      |
| 2013/0018372 | A1 | 1/2013  | Sims et al.       | 2013/0296848 | A1 | 11/2013 | Allen, IV et al.  |
| 2013/0022495 | A1 | 1/2013  | Allen, IV et al.  | 2013/0296854 | A1 | 11/2013 | Mueller           |
| 2013/0041370 | A1 | 2/2013  | Unger             | 2013/0296856 | A1 | 11/2013 | Unger et al.      |
| 2013/0041402 | A1 | 2/2013  | Chojin et al.     | 2013/0296922 | A1 | 11/2013 | Allen, IV et al.  |
| 2013/0046295 | A1 | 2/2013  | Kerr et al.       | 2013/0296923 | A1 | 11/2013 | Twomey et al.     |
| 2013/0046303 | A1 | 2/2013  | Evans et al.      | 2013/0304058 | A1 | 11/2013 | Kendrick          |
| 2013/0046306 | A1 | 2/2013  | Evans et al.      | 2013/0304059 | A1 | 11/2013 | Allen, IV et al.  |
| 2013/0046337 | A1 | 2/2013  | Evans et al.      | 2013/0304066 | A1 | 11/2013 | Kerr et al.       |
| 2013/0060250 | A1 | 3/2013  | Twomey et al.     | 2013/0310832 | A1 | 11/2013 | Kerr et al.       |
| 2013/0066303 | A1 | 3/2013  | Hart              | 2013/0325057 | A1 | 12/2013 | Larson et al.     |
| 2013/0066318 | A1 | 3/2013  | Kerr              | 2013/0331837 | A1 | 12/2013 | Larson            |
| 2013/0071282 | A1 | 3/2013  | Fry               | 2013/0338666 | A1 | 12/2013 | Bucciaglia et al. |
| 2013/0072919 | A1 | 3/2013  | Allen, IV et al.  | 2013/0338693 | A1 | 12/2013 | Kerr et al.       |
| 2013/0072927 | A1 | 3/2013  | Allen, IV et al.  | 2013/0345701 | A1 | 12/2013 | Allen, IV et al.  |
| 2013/0079760 | A1 | 3/2013  | Twomey et al.     | 2013/0345706 | A1 | 12/2013 | Garrison          |
| 2013/0079762 | A1 | 3/2013  | Twomey et al.     | 2013/0345735 | A1 | 12/2013 | Mueller           |
| 2013/0079774 | A1 | 3/2013  | Whitney et al.    | 2014/0005663 | A1 | 1/2014  | Heard et al.      |
| 2013/0082035 | A1 | 4/2013  | Allen, IV et al.  | 2014/0005666 | A1 | 1/2014  | Moua et al.       |
| 2013/0085491 | A1 | 4/2013  | Twomey et al.     | 2014/0025052 | A1 | 1/2014  | Nau, Jr. et al.   |
| 2013/0085496 | A1 | 4/2013  | Unger et al.      | 2014/0025053 | A1 | 1/2014  | Nau, Jr. et al.   |
| 2013/0085516 | A1 | 4/2013  | Kerr et al.       | 2014/0025059 | A1 | 1/2014  | Kerr              |
| 2013/0103030 | A1 | 4/2013  | Garrison          | 2014/0025060 | A1 | 1/2014  | Kerr              |
| 2013/0103031 | A1 | 4/2013  | Garrison          | 2014/0025066 | A1 | 1/2014  | Kerr              |
| 2013/0103035 | A1 | 4/2013  | Horner et al.     | 2014/0025067 | A1 | 1/2014  | Kerr et al.       |
| 2013/0123837 | A1 | 5/2013  | Roy et al.        | 2014/0025070 | A1 | 1/2014  | Kerr et al.       |
| 2013/0138101 | A1 | 5/2013  | Kerr              | 2014/0025073 | A1 | 1/2014  | Twomey et al.     |
| 2013/0138102 | A1 | 5/2013  | Twomey et al.     | 2014/0046323 | A1 | 2/2014  | Payne et al.      |
| 2013/0138129 | A1 | 5/2013  | Garrison et al.   | 2014/0066910 | A1 | 3/2014  | Nau, Jr.          |
| 2013/0144284 | A1 | 6/2013  | Behnke, II et al. | 2014/0066911 | A1 | 3/2014  | Nau, Jr.          |
| 2013/0150842 | A1 | 6/2013  | Nau, Jr. et al.   | 2014/0074091 | A1 | 3/2014  | Arya et al.       |
| 2013/0178852 | A1 | 7/2013  | Allen, IV et al.  | 2014/0100564 | A1 | 4/2014  | Garrison          |
| 2013/0185922 | A1 | 7/2013  | Twomey et al.     | 2014/0100568 | A1 | 4/2014  | Garrison          |
| 2013/0190753 | A1 | 7/2013  | Garrison et al.   |              |    |         |                   |
| 2013/0190760 | A1 | 7/2013  | Allen, IV et al.  |              |    |         |                   |
| 2013/0197503 | A1 | 8/2013  | Orszulak          |              |    |         |                   |
| 2013/0218198 | A1 | 8/2013  | Larson et al.     |              |    |         |                   |
| 2013/0226177 | A1 | 8/2013  | Brandt et al.     |              |    |         |                   |
| 2013/0226178 | A1 | 8/2013  | Brandt et al.     |              |    |         |                   |
| 2013/0232753 | A1 | 9/2013  | Ackley et al.     |              |    |         |                   |
| 2013/0238016 | A1 | 9/2013  | Garrison          |              |    |         |                   |
| 2013/0245623 | A1 | 9/2013  | Twomey            |              |    |         |                   |

## OTHER PUBLICATIONS

U.S. Appl. No. 09/177,950, filed Oct. 23, 1998, Randel A. Frazier.  
U.S. Appl. No. 09/387,883, filed Sep. 1, 1999, Dale F. Schmaltz.  
U.S. Appl. No. 09/591,328, filed Jun. 9, 2000, Thomas P. Ryan.  
U.S. Appl. No. 12/336,970, filed Dec. 17, 2008, Paul R. Sremeich.  
U.S. Appl. No. 13/085,144, filed Apr. 12, 2011, Keir Hart.  
U.S. Appl. No. 13/731,674, filed Dec. 31, 2012, Siebrecht.

\* cited by examiner

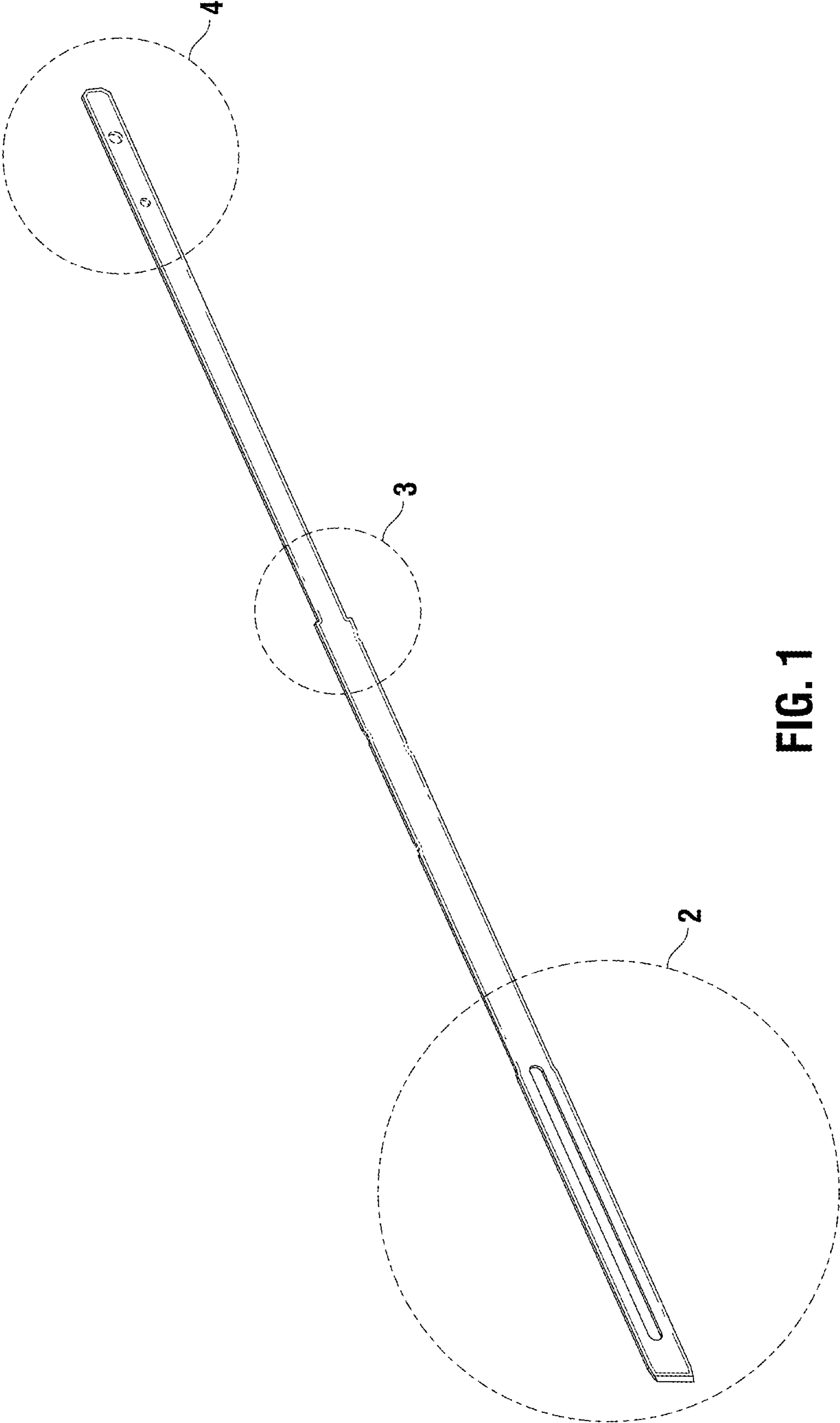
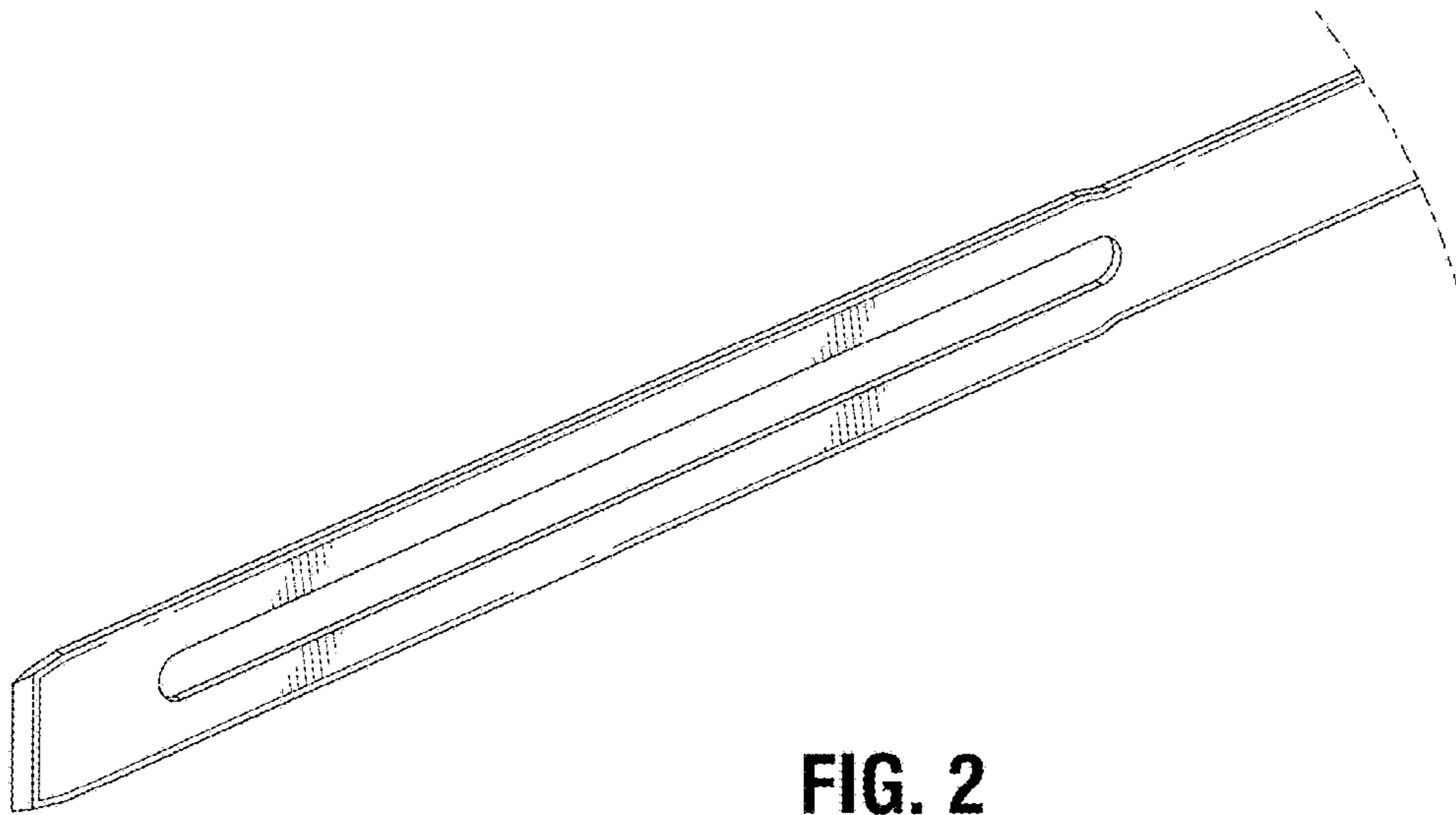
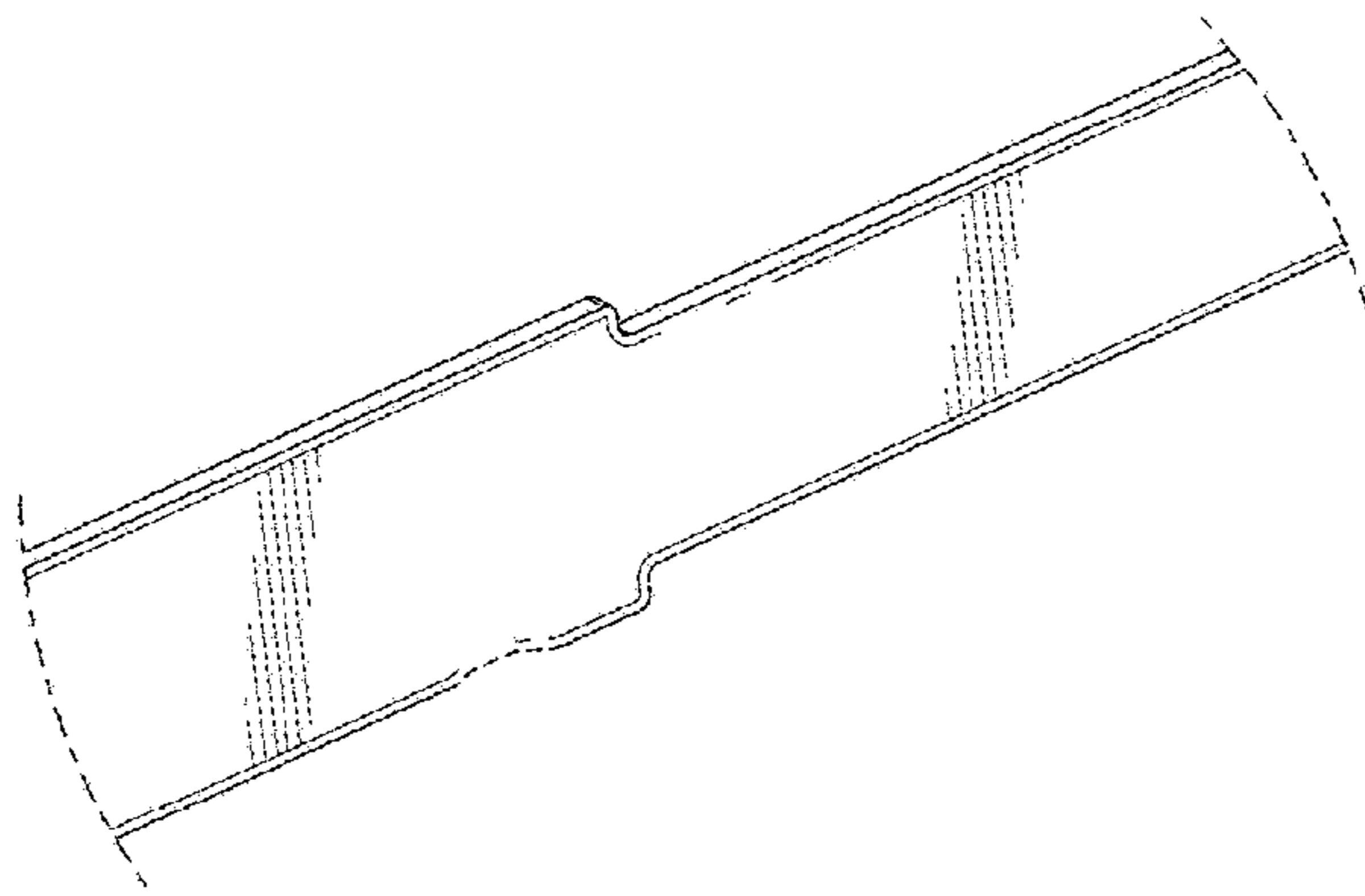


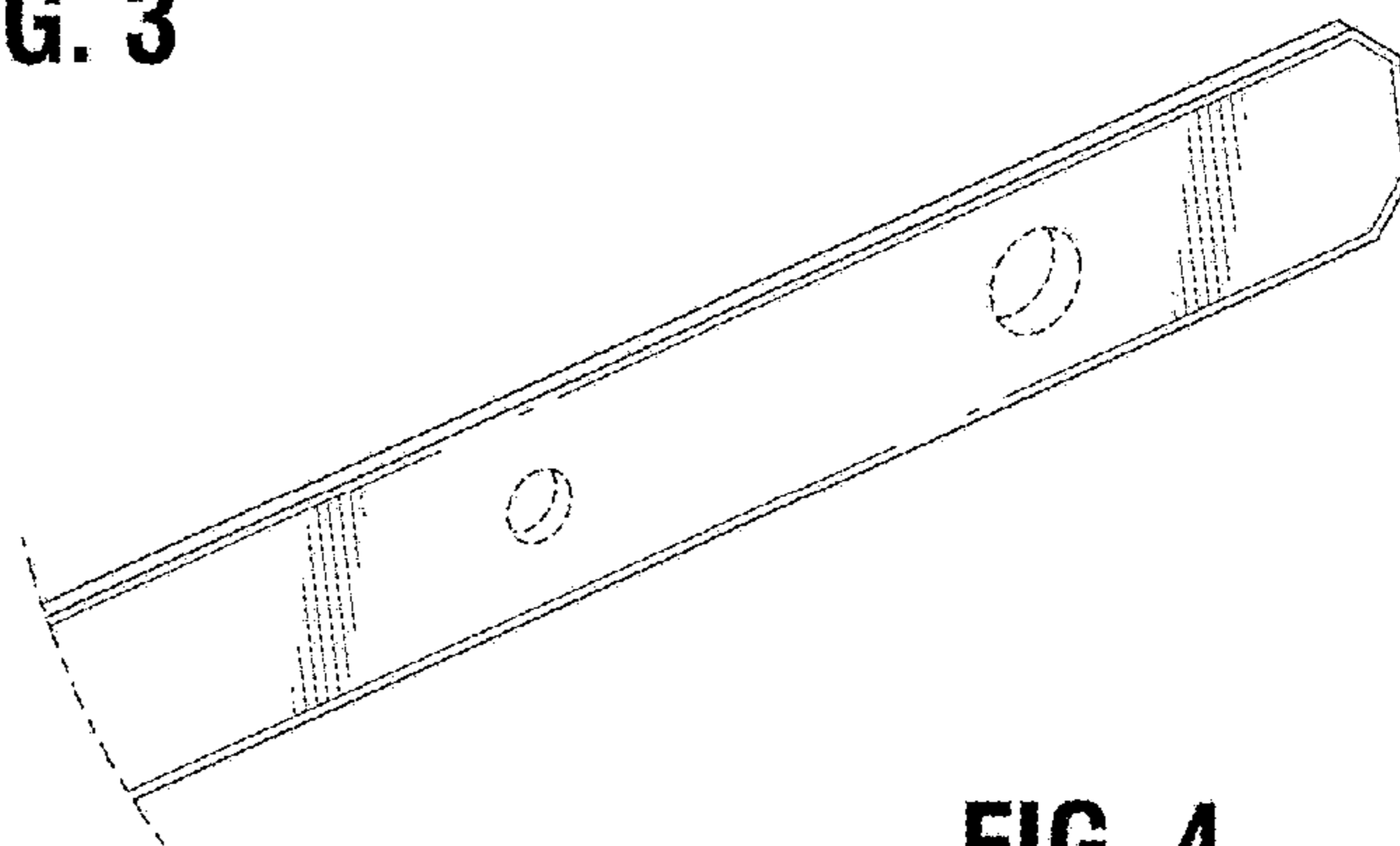
FIG. 1



**FIG. 2**



**FIG. 3**



**FIG. 4**