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(12) **United States Design Patent** (10) **Patent No.:** **US D766,421 S**  
**Ging** (45) **Date of Patent:** **\*\* Sep. 13, 2016**

(54) **HEADGEAR FOR MASK**  
(71) Applicant: **ResMed Limited**, Bella Vista, New South Wales (AU)

1,192,186 A 7/1916 Greene  
1,610,793 A 12/1926 Kaufman  
1,675,431 A 7/1928 Sharp  
2,820,227 A \* 1/1958 Wiener ..... A42B 1/041  
2/195.8

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2,931,356 A 4/1960 Schwarz  
D241,105 S \* 8/1976 Krieger et al. .... D7/586  
D247,982 S 5/1978 Huddy

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(Continued)

(\*\*) Term: **15 Years**

FOREIGN PATENT DOCUMENTS

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EP 1 314 446 5/2003

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**Related U.S. Application Data**

OTHER PUBLICATIONS

(60) Continuation of application No. 29/467,127, filed on Sep. 16, 2013, now Pat. No. Des. 736,908, which is

Moore et al., U.S. Appl. No. 29/419,831, filed May 2, 2012.

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(51) **LOC (10) Cl.** ..... **29-02**

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(52) **U.S. Cl.**

*Assistant Examiner* — Mark Booker

USPC ..... **D24/110**

(74) *Attorney, Agent, or Firm* — Nixon & Vanderhye P.C.

(58) **Field of Classification Search**

(57) **CLAIM**

USPC ..... D24/110, 110.1, 110.2, 110.3, 110.4,  
D24/110.5; 128/202.27, 204.21, 205.25,  
128/205.27, 206.11, 206.12, 206.13,  
128/206.18, 206.21, 206.24, 206.27,  
128/206.28, 207.11, 207.12, 207.13,  
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CPC ..... A61M 16/06; A61M 16/0683; A61M  
16/0816; A61M 16/0622; A61M 16/0066;  
A61M 16/0666; A61M 16/0605; A61M  
16/0616; A61M 2206/14; A61M 2210/0618;  
A62B 18/084

The ornamental design of a headgear for mask, as shown and described.

See application file for complete search history.

**DESCRIPTION**

(56) **References Cited**

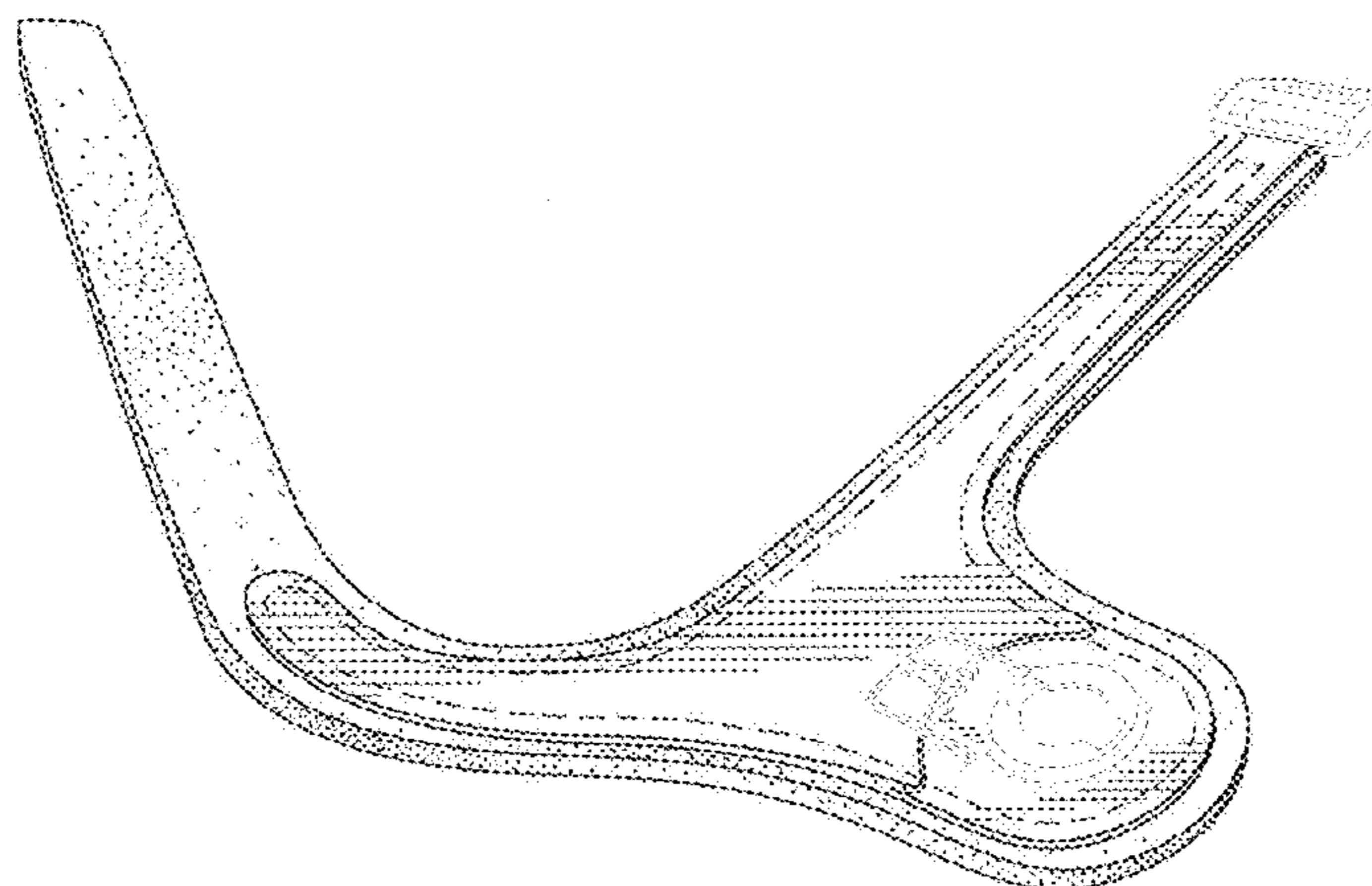
FIG. 1 is a perspective illustration of a headgear for mask according to our design;  
FIG. 2 is reverse perspective view thereof;  
FIG. 3 is a front view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is a top view thereof;  
FIG. 6 is a bottom view thereof;  
FIG. 7 is a left side view thereof; and,  
FIG. 8 is a right side view thereof.

U.S. PATENT DOCUMENTS

Where included, broken lines showing environment or structure are for illustrative purposes only and form no part of the claimed design.

443,191 A 12/1890 Illing  
D29,539 S 10/1898 Crane

**1 Claim, 5 Drawing Sheets**



**Related U.S. Application Data**

a division of application No. 29/436,717, filed on Nov. 8, 2012, now Pat. No. Des. 690,003, which is a division of application No. 29/419,831, filed on May 2, 2012, now Pat. No. Des. 673,263, which is a continuation of application No. 29/311,142, filed on Dec. 31, 2008, now Pat. No. Des. 660,412, which is a division of application No. 29/295,746, filed on Oct. 5, 2007, now Pat. No. Des. 588,690, which is a continuation of application No. 29/232,874, filed on Jun. 24, 2005, now Pat. No. Des. 552,731, which is a continuation of application No. 29/213,364, filed on Sep. 16, 2004, now Pat. No. Des. 540,941, which is a continuation of application No. 29/189,972, filed on Sep. 15, 2003, now Pat. No. Des. 507,348, which is a division of application No. 29/166,190, filed on Aug. 9, 2002, now Pat. No. Des. 485,905.

(56)

**References Cited**

U.S. PATENT DOCUMENTS

|              |         |                   |                |         |                                      |  |
|--------------|---------|-------------------|----------------|---------|--------------------------------------|--|
| 4,167,185 A  | 9/1979  | Lewis             | D476,732 S     | 7/2003  | Smart                                |  |
| 4,414,973 A  | 11/1983 | Matheson et al.   | 6,584,977 B1   | 7/2003  | Serowski                             |  |
| 4,454,880 A  | 6/1984  | Muto et al.       | 6,615,832 B1   | 9/2003  | Chen                                 |  |
| H397 H       | 1/1988  | Stark             | 6,619,288 B2   | 9/2003  | Demers et al.                        |  |
| 4,739,755 A  | 4/1988  | White et al.      | 6,631,718 B1   | 10/2003 | Lovell                               |  |
| 4,794,921 A  | 1/1989  | Lindkvist         | 6,634,358 B2   | 10/2003 | Kwok et al.                          |  |
| 4,807,617 A  | 2/1989  | Nesti             | 6,644,315 B2   | 11/2003 | Ziaee                                |  |
| 4,944,310 A  | 7/1990  | Sullivan          | D485,905 S     | 1/2004  | Moore et al.                         |  |
| D335,367 S   | 5/1993  | Mieskoski         | D486,226 S     | 2/2004  | Guney et al.                         |  |
| 5,243,971 A  | 9/1993  | Sullivan et al.   | D486,907 S     | 2/2004  | Guney et al.                         |  |
| 5,245,995 A  | 9/1993  | Sullivan et al.   | 6,691,707 B1   | 2/2004  | Gunaratnam et al.                    |  |
| 5,311,862 A  | 5/1994  | Blasdell et al.   | D493,221 S     | 7/2004  | Smart                                |  |
| 5,349,949 A  | 9/1994  | Schegerin         | D494,675 S *   | 8/2004  | Guney ..... D24/110.1                |  |
| 5,535,739 A  | 7/1996  | Rapoport et al.   | D495,797 S     | 9/2004  | Guney et al.                         |  |
| 5,542,128 A  | 8/1996  | Lomas             | D496,098 S     | 9/2004  | Guney et al.                         |  |
| D377,089 S   | 12/1996 | Starr et al.      | 6,796,308 B2   | 9/2004  | Gunaratnam et al.                    |  |
| 5,657,752 A  | 8/1997  | Landis et al.     | D498,530 S     | 11/2004 | Smart                                |  |
| D383,204 S   | 9/1997  | Lomas             | 6,823,869 B2   | 11/2004 | Raje et al.                          |  |
| 5,662,101 A  | 9/1997  | Ogden et al.      | 6,851,425 B2   | 2/2005  | Jaffre et al.                        |  |
| 5,676,133 A  | 10/1997 | Hickle et al.     | D505,489 S     | 5/2005  | Sleeper                              |  |
| 5,704,345 A  | 1/1998  | Berthon-Jones     | D506,827 S     | 6/2005  | Jones et al.                         |  |
| 5,709,204 A  | 1/1998  | Lester            | 6,907,882 B2   | 6/2005  | Ging et al.                          |  |
| 5,724,965 A  | 3/1998  | Handke et al.     | D507,348 S     | 7/2005  | Moore et al.                         |  |
| 5,921,239 A  | 7/1999  | McCall et al.     | D515,204 S     | 2/2006  | Guney et al.                         |  |
| 5,937,851 A  | 8/1999  | Serowski et al.   | 7,011,090 B2   | 3/2006  | Drew et al.                          |  |
| 5,979,133 A  | 11/1999 | Funkhouser        | 7,047,972 B2   | 5/2006  | Ging et al.                          |  |
| D423,096 S   | 4/2000  | Kwok              | 7,089,939 B2   | 8/2006  | Walker et al.                        |  |
| 6,044,844 A  | 4/2000  | Kwok et al.       | D532,512 S *   | 11/2006 | Amarasinghe ..... D24/110            |  |
| D428,139 S   | 7/2000  | Smart             | D535,023 S     | 1/2007  | Smart et al.                         |  |
| D428,988 S   | 8/2000  | Smart             | D537,523 S     | 2/2007  | Dantanarayana et al.                 |  |
| 6,112,746 A  | 9/2000  | Kwok et al.       | D540,464 S     | 4/2007  | Guney et al.                         |  |
| 6,119,693 A  | 9/2000  | Kwok et al.       | D540,940 S *   | 4/2007  | Amarasinghe ..... D24/110            |  |
| 6,119,694 A  | 9/2000  | Correa et al.     | D540,941 S     | 4/2007  | Kwok et al.                          |  |
| 6,192,886 B1 | 2/2001  | Rudolph           | 7,210,481 B1   | 5/2007  | Lovell et al.                        |  |
| 6,357,441 B1 | 3/2002  | Kwok et al.       | D545,961 S     | 7/2007  | Hitchcock et al.                     |  |
| 6,374,826 B1 | 4/2002  | Gunaratnam et al. | D549,323 S *   | 8/2007  | Kwok ..... D24/110.5                 |  |
| D459,800 S   | 7/2002  | Smart             | D552,731 S     | 10/2007 | Moore et al.                         |  |
| 6,412,487 B1 | 7/2002  | Gunaratnam et al. | D556,897 S     | 12/2007 | Guney et al.                         |  |
| 6,422,238 B1 | 7/2002  | Lithgow           | D556,901 S *   | 12/2007 | Davidson ..... D24/110.1             |  |
| D464,426 S   | 10/2002 | Palkon et al.     | D557,408 S     | 12/2007 | Amarasinghe et al.                   |  |
| D464,427 S   | 10/2002 | Smart             | D557,411 S     | 12/2007 | Smart et al.                         |  |
| D464,428 S   | 10/2002 | Barnett et al.    | D558,331 S *   | 12/2007 | Davidson ..... D24/110.1             |  |
| D464,728 S   | 10/2002 | Paul              | D558,333 S     | 12/2007 | Hitchcock et al.                     |  |
| 6,457,473 B1 | 10/2002 | Brostrom et al.   | D560,796 S *   | 1/2008  | Jones ..... D24/110.1                |  |
| 6,467,483 B1 | 10/2002 | Kopacko           | 7,316,230 B2   | 1/2008  | Drew et al.                          |  |
| 6,491,034 B1 | 12/2002 | Gunaratnam et al. | 7,341,060 B2   | 3/2008  | Ging et al.                          |  |
| D469,383 S   | 1/2003  | Young             | D578,206 S     | 10/2008 | Hitchcock et al.                     |  |
| 6,508,249 B2 | 1/2003  | Hoening           | D578,207 S *   | 10/2008 | D'Souza ..... D24/110.1              |  |
| 6,513,526 B2 | 2/2003  | Kwok et al.       | D580,048 S     | 11/2008 | Guney et al.                         |  |
| 6,532,961 B1 | 3/2003  | Kwok et al.       | D581,041 S     | 11/2008 | Moore et al.                         |  |
| 6,550,070 B2 | 4/2003  | Wiegand           | D585,981 S     | 2/2009  | Moore et al.                         |  |
| 6,581,594 B1 | 6/2003  | Drew et al.       | D586,458 S     | 2/2009  | Kooij et al.                         |  |
| 6,581,596 B1 | 6/2003  | Truitt et al.     | 7,487,772 B2   | 2/2009  | Ging et al.                          |  |
|              |         |                   | D588,690 S     | 3/2009  | Ging et al.                          |  |
|              |         |                   | D597,199 S     | 7/2009  | Smart                                |  |
|              |         |                   | D612,481 S     | 3/2010  | Reid et al.                          |  |
|              |         |                   | 7,743,767 B2   | 6/2010  | Ging et al.                          |  |
|              |         |                   | D619,701 S     | 7/2010  | Edwards et al.                       |  |
|              |         |                   | D623,288 S     | 9/2010  | Lubke et al.                         |  |
|              |         |                   | D626,646 S *   | 11/2010 | Lubke ..... D24/110.1                |  |
|              |         |                   | 7,874,291 B2   | 1/2011  | Ging et al.                          |  |
|              |         |                   | D635,247 S *   | 3/2011  | Scheiner ..... D24/110.1             |  |
|              |         |                   | D637,283 S     | 5/2011  | Selvarajan et al.                    |  |
|              |         |                   | 7,934,501 B2   | 5/2011  | Fu et al.                            |  |
|              |         |                   | 7,938,116 B2   | 5/2011  | Ging et al.                          |  |
|              |         |                   | 7,997,267 B2   | 8/2011  | Ging et al.                          |  |
|              |         |                   | D645,557 S *   | 9/2011  | Scheiner ..... D24/110.1             |  |
|              |         |                   | 8,025,057 B2   | 9/2011  | Ging et al.                          |  |
|              |         |                   | 8,042,538 B2   | 10/2011 | Ging et al.                          |  |
|              |         |                   | 8,042,542 B2 * | 10/2011 | Ging ..... A44B 11/266<br>128/200.24 |  |
|              |         |                   | D650,064 S *   | 12/2011 | Gunaratnam ..... D24/110             |  |
|              |         |                   | D653,328 S *   | 1/2012  | Eves ..... D24/110.1                 |  |
|              |         |                   | D660,412 S     | 5/2012  | Moore et al.                         |  |
|              |         |                   | D664,250 S *   | 7/2012  | Scheiner ..... D24/110.1             |  |
|              |         |                   | D673,263 S     | 12/2012 | Moore et al.                         |  |
|              |         |                   | 8,387,616 B2   | 3/2013  | Ging et al.                          |  |
|              |         |                   | 8,479,736 B2   | 7/2013  | Ging et al.                          |  |
|              |         |                   | 8,505,535 B2   | 8/2013  | Jones et al.                         |  |

(56)

References Cited

U.S. PATENT DOCUMENTS

D690,003 S 9/2013 Moore et al.  
 8,522,784 B2\* 9/2013 Ng ..... A61M 16/06  
 128/205.25  
 D692,554 S \* 10/2013 Siew ..... D24/110.1  
 D693,459 S \* 11/2013 Prentice ..... D24/110.1  
 D695,887 S \* 12/2013 Ozolins ..... D24/110.4  
 D696,396 S \* 12/2013 Eves ..... D24/110.4  
 8,770,198 B2\* 7/2014 Yee ..... A61M 16/08  
 128/207.13  
 D713,759 S \* 9/2014 Guney ..... D11/218  
 D717,945 S \* 11/2014 Neff ..... D24/110.1  
 8,887,725 B2\* 11/2014 Hernandez ..... A61M 16/06  
 128/205.25  
 2001/0020474 A1 9/2001 Hecker et al.  
 2001/0032648 A1 10/2001 Jestrabek-Hart  
 2002/0144684 A1 10/2002 Moone  
 2003/0089373 A1 5/2003 Gradon et al.  
 2003/0196656 A1 10/2003 Moore et al.  
 2003/0196657 A1 10/2003 Ging et al.  
 2004/0094157 A1 5/2004 Dantanarayana et al.  
 2004/0221850 A1 11/2004 Ging et al.  
 2005/0022820 A1 2/2005 Kwok et al.  
 2005/0172969 A1 8/2005 Ging et al.  
 2006/0124131 A1 6/2006 Chandran et al.  
 2008/0092905 A1 4/2008 Gunaratnam et al.  
 2008/0257354 A1\* 10/2008 Davidson ..... A61M 16/06  
 128/206.24  
 2009/0032026 A1\* 2/2009 Price ..... A61M 16/06  
 128/207.11  
 2009/0101141 A1 4/2009 Ging et al.  
 2009/0145429 A1\* 6/2009 Ging ..... A61M 16/06  
 128/202.27  
 2009/0151729 A1\* 6/2009 Judson ..... A61M 16/0683  
 128/207.13  
 2010/0116272 A1\* 5/2010 Row ..... F04D 1/00  
 128/204.17  
 2010/0132717 A1\* 6/2010 Davidson ..... A61M 16/06  
 128/207.18  
 2010/0319688 A1\* 12/2010 Amarasinghe .... A61M 16/0683  
 128/201.22  
 2011/0041855 A1\* 2/2011 Gunaratnam ..... A61M 16/06  
 128/207.18  
 2011/0056497 A1\* 3/2011 Scheiner ..... A61M 16/06  
 128/206.24  
 2011/0155140 A1\* 6/2011 Ho ..... A61M 16/0488  
 128/207.18  
 2011/0259340 A1\* 10/2011 Witt ..... A61M 16/0666  
 128/207.18  
 2011/0308526 A1\* 12/2011 Ho ..... A61M 16/06  
 128/206.28  
 2012/0012114 A1\* 1/2012 Chandran ..... A61M 16/06  
 128/206.28  
 2012/0017912 A1 1/2012 Ging et al.  
 2012/0037161 A1 2/2012 Ging et al.  
 2013/0037030 A1\* 2/2013 Matula, Jr. .... A61M 16/0683  
 128/205.25  
 2013/0092170 A1\* 4/2013 Davidson ..... A61M 16/06  
 128/206.24  
 2013/0104902 A1\* 5/2013 Ho ..... A61M 16/06  
 128/206.24

2013/0146059 A1 6/2013 Ging et al.  
 2013/0174839 A1 7/2013 Ging et al.  
 2013/0199537 A1\* 8/2013 Formica ..... A61M 16/06  
 128/205.25  
 2013/0239973 A1\* 9/2013 Scheiner ..... A61M 16/06  
 128/206.24  
 2013/0263858 A1\* 10/2013 Ho ..... A61M 16/0683  
 128/205.25  
 2013/0291870 A1 11/2013 Ging et al.  
 2013/0312758 A1 11/2013 Jones et al.  
 2014/0158137 A1\* 6/2014 Ging ..... A61M 16/06  
 128/207.13  
 2014/0166018 A1\* 6/2014 Dravitzki ..... A61M 16/06  
 128/207.13  
 2014/0190486 A1\* 7/2014 Dunn ..... A61M 16/0683  
 128/205.25  
 2014/0202466 A1\* 7/2014 Ho ..... A61M 16/0605  
 128/206.24  
 2014/0236083 A1\* 8/2014 Sims ..... F16L 53/008  
 604/114  
 2014/0261433 A1\* 9/2014 Guney ..... A61M 16/06  
 128/205.25  
 2014/0290663 A1\* 10/2014 Rothermel ..... A61M 16/06  
 128/206.24  
 2014/0326246 A1\* 11/2014 Chodkowski ..... A61M 16/06  
 128/206.24  
 2014/0326248 A1\* 11/2014 Haibach ..... A61M 16/0666  
 128/207.18

FOREIGN PATENT DOCUMENTS

|    |                |         |
|----|----------------|---------|
| FR | 2618340        | 1/1989  |
| FR | 2735030        | 12/1996 |
| GB | 799225         | 8/1958  |
| GB | 2264646        | 9/1993  |
| GB | 2379886        | 3/2003  |
| GB | 3014189        | 9/2003  |
| WO | WO 87/01950    | 4/1987  |
| WO | WO 98/04310    | 2/1998  |
| WO | WO 98/12965    | 4/1998  |
| WO | WO 99/61088    | 12/1999 |
| WO | WO 00/69521    | 11/2000 |
| WO | WO 00/78381    | 12/2000 |
| WO | WO 00/78384    | 12/2000 |
| WO | WO 01/32250    | 5/2001  |
| WO | WO 01/62326    | 8/2001  |
| WO | WO 02/11804    | 2/2002  |
| WO | WO 02/096342   | 12/2002 |
| WO | WO 2004/022147 | 3/2004  |
| WO | WO 2004/096332 | 11/2004 |
| WO | WO 2005/051468 | 6/2005  |

OTHER PUBLICATIONS

Gunaratnam et al., U.S. Appl. No. 29/214,556, filed Jun. 1, 2004.  
 European Search Report for EP 03252572, dated Jan. 13, 2004, 5 pages.  
 Fu et al., U.S. Appl. No. 60/682,827, filed May 20, 2005.  
 Fu et al., U.S. Appl. No. 60/721,967, filed Sep. 30, 2005.  
 Parent: Moore et al.; U.S. Appl. No. 29/467,127, filed Sep. 16, 2013.  
 Office Action issued in corresponding U.S. Appl. No. 29/467,135 on Dec. 18, 2013.

\* cited by examiner

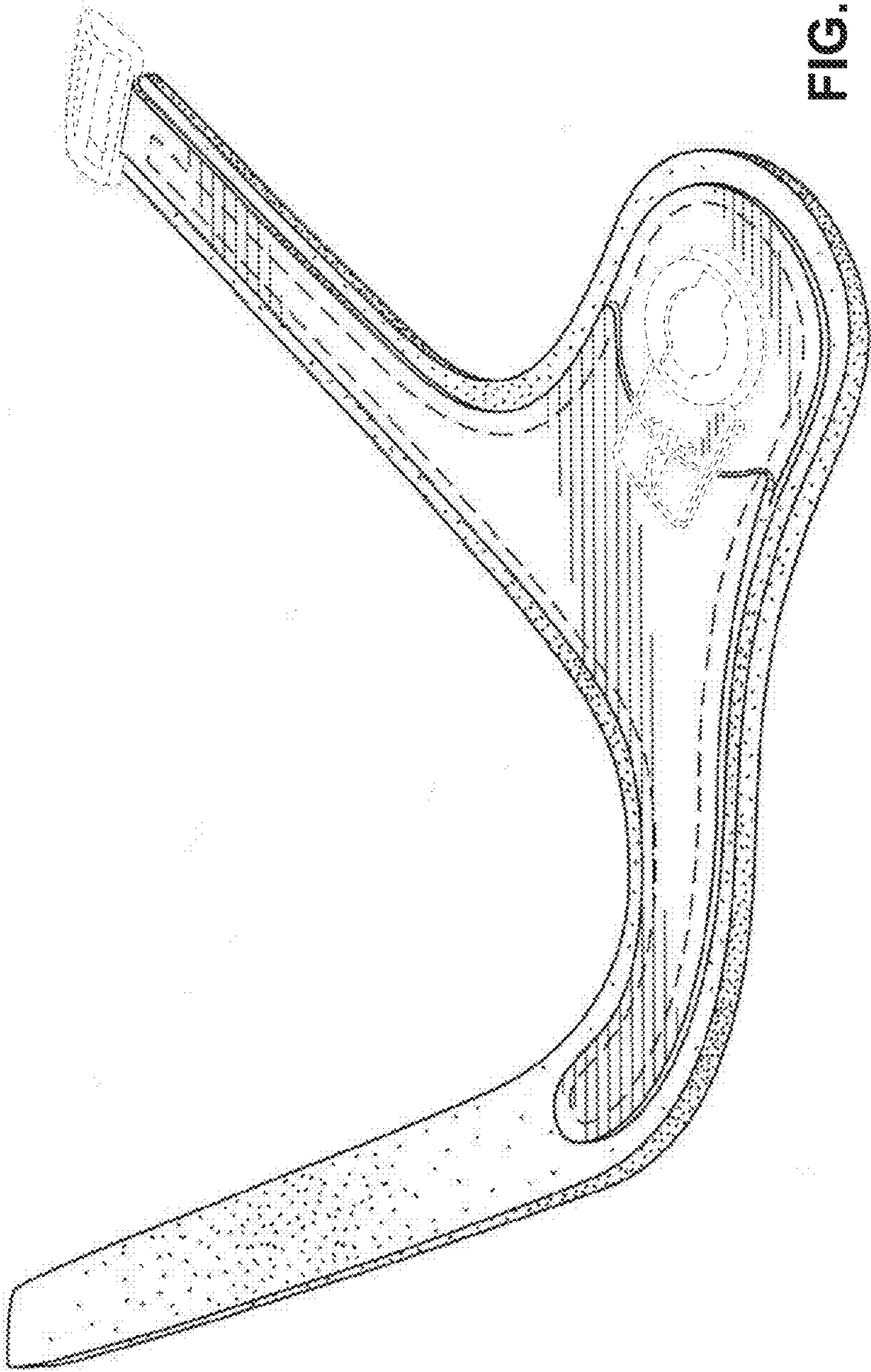


FIG. 1

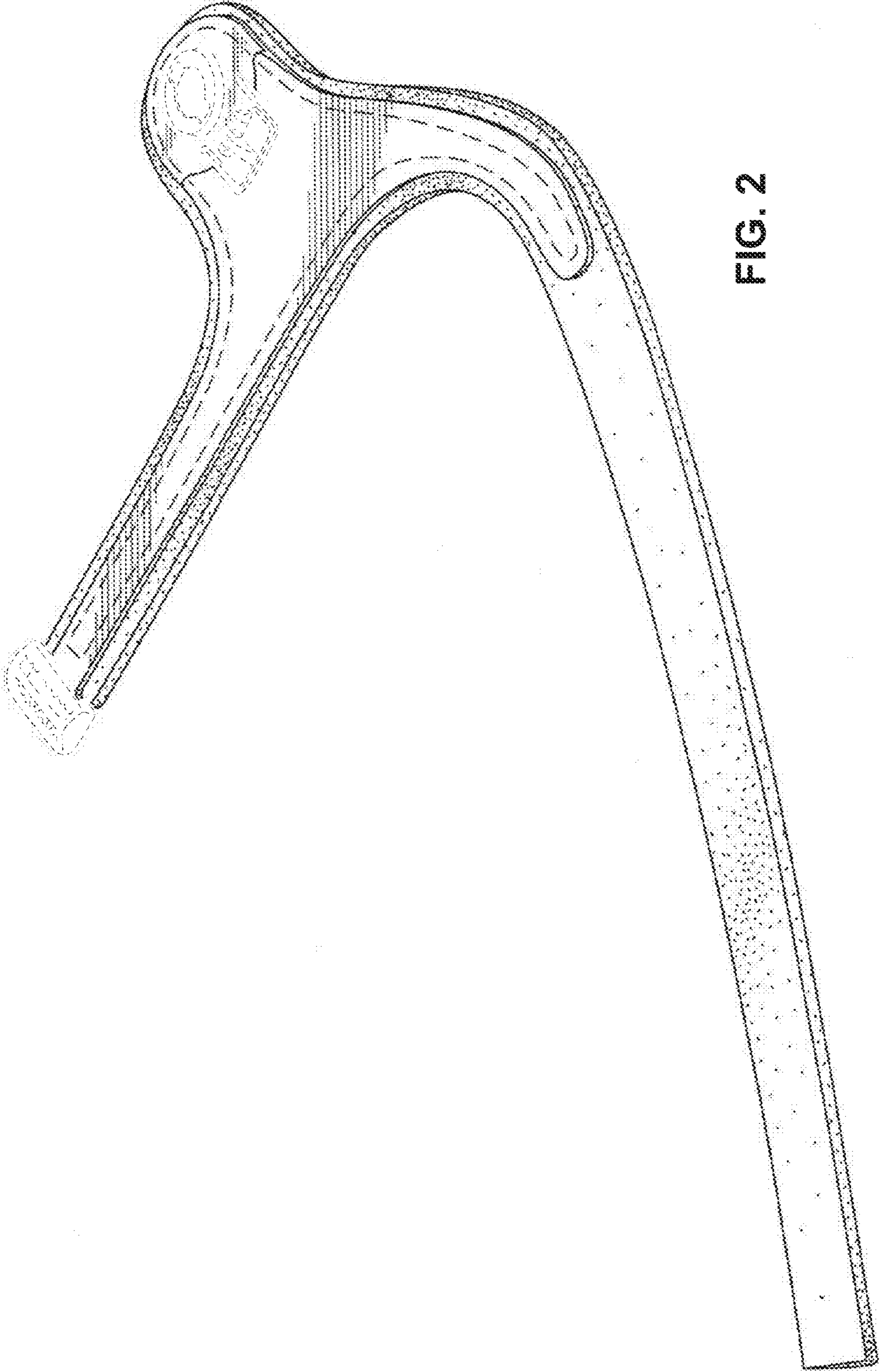


FIG. 2

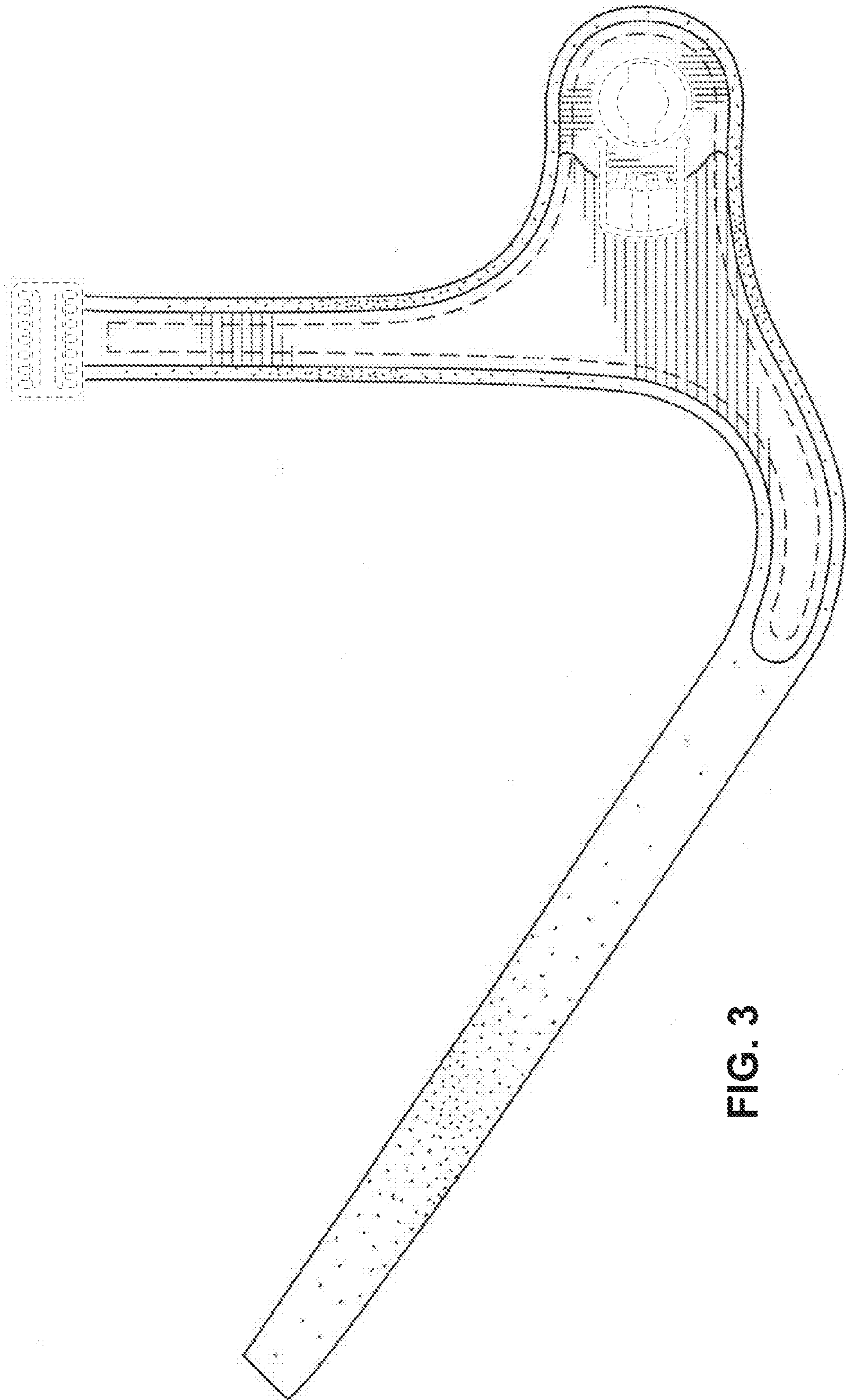


FIG. 3

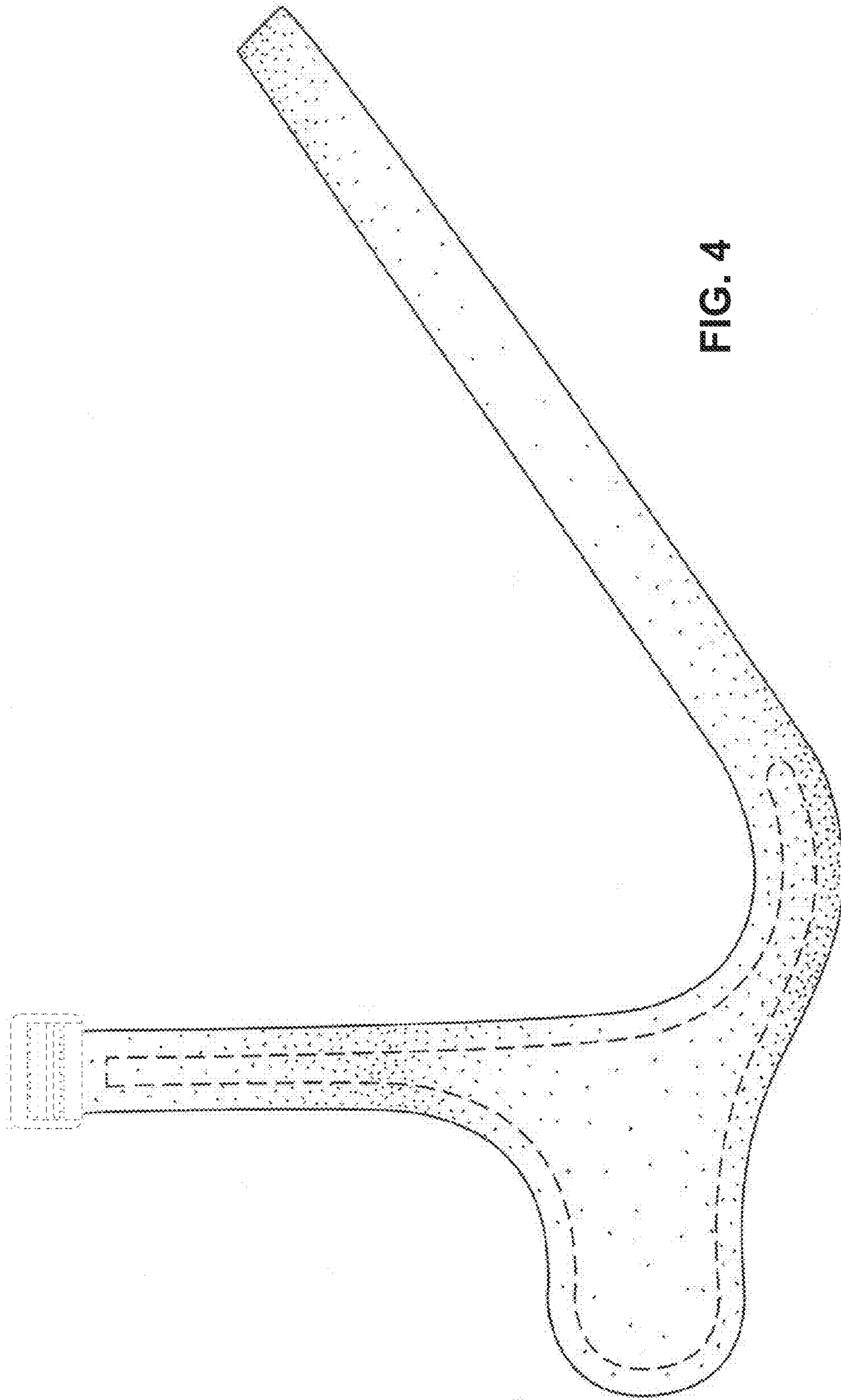


FIG. 4

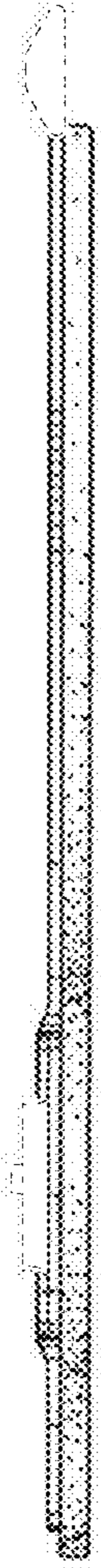


FIG. 5



FIG. 6

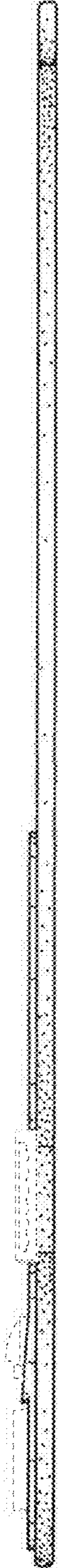


FIG. 7

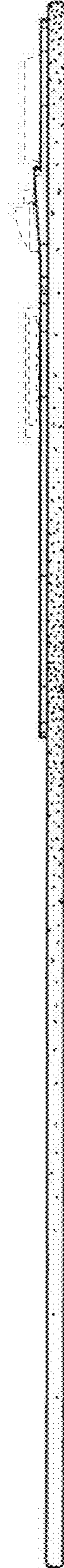


FIG. 8