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**Smith et al.**

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(54) **ARM ASSEMBLY**  
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D423,261 S 4/2000 Ritch et al.  
6,053,578 A 4/2000 van Hekken et al.  
6,059,366 A 5/2000 Hu  
6,059,368 A 5/2000 Stumpf et al.  
6,076,892 A 6/2000 van Hekken et al.  
6,079,785 A 6/2000 Peterson et al.  
6,086,156 A 7/2000 Breen et al.  
6,125,521 A 10/2000 Stumpf et al.  
6,178,595 B1 1/2001 Marinoni  
6,220,661 B1 4/2001 Peterson  
D446,033 S 8/2001 Koepke et al.

(Continued)

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D6/376, 379, 380, 716, 716.1, 716.2,  
D6/716.3, 716.4; 297/411.2, 411.27,  
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See application file for complete search history.

FOREIGN PATENT DOCUMENTS

EP 0010867 5/1980  
EP 0960614 12/1999

(Continued)

OTHER PUBLICATIONS

Haworth X99 Chair Brochure.

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(57) **CLAIM**

We claim the ornamental design for the arm assembly, as shown and described.

(56) **References Cited**

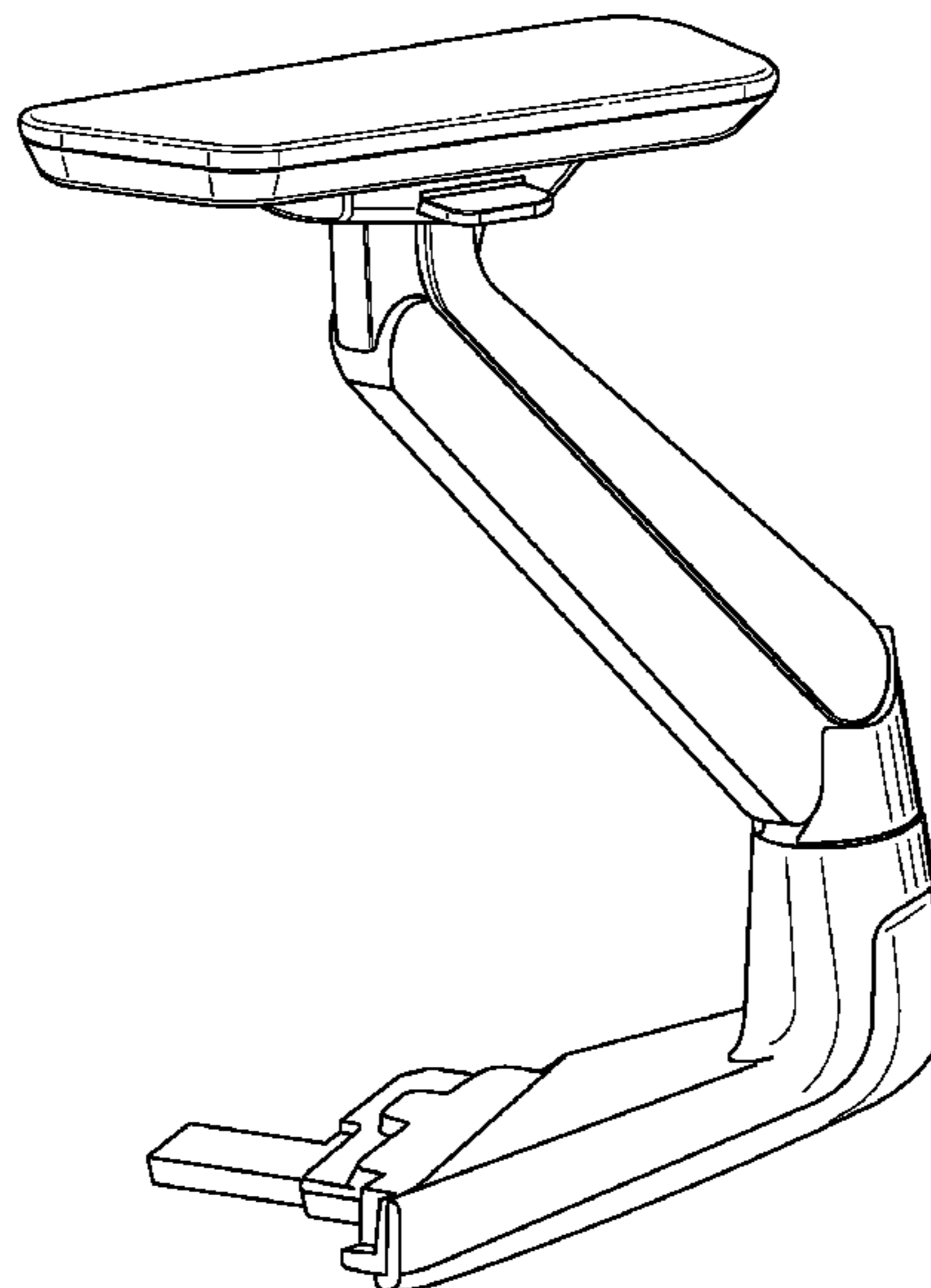
U.S. PATENT DOCUMENTS

4,711,491 A 12/1987 Ginat  
5,439,267 A 8/1995 Peterson et al.  
5,599,067 A 2/1997 Schuelke et al.  
5,725,276 A 3/1998 Ginat  
5,772,282 A 6/1998 Stumpf et al.  
5,871,258 A 2/1999 Battey et al.  
5,934,758 A 8/1999 Ritch et al.  
5,975,634 A 11/1999 Knoblock et al.  
6,035,901 A 3/2000 Stumpf et al.  
6,039,397 A 3/2000 Ginat

**DESCRIPTION**

FIG. 1 is a perspective view of an arm assembly embodying the present invention;  
FIG. 2 is a front view of the arm assembly;  
FIG. 3 is a first side view of the arm assembly;  
FIG. 4 is a second side view of the arm assembly;  
FIG. 5 is a rear view of the arm assembly;  
FIG. 6 is a top view of the arm assembly; and,  
FIG. 7 is a bottom view of the arm assembly.

**1 Claim, 7 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D451,723 S 12/2001 Grove  
 6,382,719 B1 5/2002 Heidmann et al.  
 6,386,634 B1 5/2002 Stumpf et al.  
 6,394,546 B1 5/2002 Knoblock et al.  
 6,394,548 B1 5/2002 Battey et al.  
 6,394,549 B1 5/2002 DeKraker et al.  
 6,419,318 B1 7/2002 Albright et al.  
 6,460,932 B1 10/2002 Kopish et al.  
 6,471,294 B1 10/2002 Dammermann et al.  
 6,502,904 B1 1/2003 Hansen  
 6,508,509 B2 1/2003 Peterson  
 6,572,190 B2 6/2003 Koepke et al.  
 6,588,842 B2 7/2003 Stumpf et al.  
 6,609,755 B2 8/2003 Koepke et al.  
 6,619,746 B2 9/2003 Roslund, Jr. et al.  
 6,644,749 B2 11/2003 VanDeRiet et al.  
 6,669,292 B2 12/2003 Koepke et al.  
 6,688,690 B2 2/2004 Watson et al.  
 D487,359 S 3/2004 Giugiaro  
 6,702,390 B2 3/2004 Stumpf et al.  
 6,709,058 B1 3/2004 Diffrient  
 6,709,060 B1 3/2004 Su  
 6,722,741 B2 4/2004 Stumpf et al.  
 6,726,278 B1 4/2004 Albright et al.  
 6,726,286 B2 4/2004 Stumpf et al.  
 6,729,691 B2 5/2004 Koepke et al.  
 6,733,080 B2 5/2004 Stumpf et al.  
 D490,994 S 6/2004 Schmitz et al.  
 6,758,523 B2 7/2004 VanDeRiet et al.  
 D493,626 S 8/2004 James  
 D493,627 S 8/2004 Ma  
 D496,812 S 10/2004 Chu  
 6,802,566 B2\* 10/2004 Prince et al. .... 297/411.36  
 6,874,852 B2 4/2005 Footitt  
 6,880,215 B2 4/2005 Peterson  
 D507,423 S 7/2005 Beaulieu et al.  
 6,913,315 B2 7/2005 Ball et al.  
 6,942,300 B2 9/2005 Numa et al.  
 6,948,775 B2 9/2005 Tsai  
 6,955,402 B2 10/2005 VanDeRiet et al.  
 6,966,604 B2 11/2005 Stumpf et al.  
 6,983,997 B2 1/2006 Wilkerson et al.  
 D514,832 S 2/2006 Tsai  
 D517,820 S\* 3/2006 Citterio ..... D6/366  
 7,014,269 B2 3/2006 Coffield et al.  
 7,025,425 B2 4/2006 Kovatchev et al.  
 D521,755 S 5/2006 Kinoshita et al.  
 7,066,537 B2 6/2006 Coffield et al.  
 7,066,546 B2 6/2006 Trego et al.  
 7,131,700 B2 11/2006 Knoblock et al.  
 D535,505 S 1/2007 Cai  
 7,159,947 B1 1/2007 Lee  
 7,201,449 B2 4/2007 Tsai  
 7,213,880 B2 5/2007 Schmitz et al.  
 7,213,886 B2 5/2007 Schmitz et al.  
 7,216,936 B2 5/2007 Peterson  
 D544,720 S\* 6/2007 Berbegal Perez ..... D6/366  
 D544,722 S 6/2007 Scheper et al.  
 7,249,802 B2 7/2007 Schmitz et al.  
 7,270,378 B2 9/2007 Wilkerson et al.  
 7,281,764 B2 10/2007 Thole  
 D557,027 S 12/2007 Hara  
 D557,950 S 12/2007 Lu  
 D558,998 S\* 1/2008 Hara ..... D6/366  
 D567,522 S\* 4/2008 Igarashi ..... D6/366  
 D567,523 S\* 4/2008 Hara ..... D6/366  
 7,360,839 B1 4/2008 Chen

D568,624 S\* 5/2008 Wen ..... D6/366  
 7,367,622 B2 5/2008 Roslund et al.  
 D576,809 S 9/2008 Christianson et al.  
 7,419,222 B2 9/2008 Schmitz et al.  
 7,425,037 B2 9/2008 Schmitz et al.  
 7,427,105 B2 9/2008 Knoblock et al.  
 7,434,879 B2 10/2008 Ueda et al.  
 7,500,718 B2 3/2009 Fookes et al.  
 7,527,335 B2 5/2009 Eberlein et al.  
 7,533,939 B2 5/2009 Fookes et al.  
 D593,345 S 6/2009 Schweikarth et al.  
 7,594,700 B2 9/2009 Stumpf et al.  
 7,604,298 B2 10/2009 Peterson et al.  
 7,744,159 B2 6/2010 Lee  
 7,798,573 B2 9/2010 Pennington et al.  
 7,806,481 B2 10/2010 Eberlein  
 7,815,259 B2 10/2010 Fookes et al.  
 7,828,389 B2 11/2010 Oda  
 7,837,269 B2 11/2010 Bock  
 7,837,272 B2 11/2010 Masunaga et al.  
 7,841,665 B2 11/2010 Geister et al.  
 7,841,666 B2 11/2010 Schmitz et al.  
 7,857,388 B2 12/2010 Bedford et al.  
 7,887,131 B2 2/2011 Chadwick et al.  
 7,922,248 B2 4/2011 Aldrich et al.  
 8,016,360 B2 9/2011 Machael et al.  
 D648,947 S\* 11/2011 Ong ..... D6/366  
 8,061,778 B2 11/2011 Machael et al.  
 D654,709 S 2/2012 Fujita  
 D654,711 S 2/2012 Fujita  
 D655,523 S\* 3/2012 Neil ..... D6/366  
 D656,329 S\* 3/2012 Nakamura et al. .... D6/366  
 D657,166 S 4/2012 Behar et al.  
 D661,523 S\* 6/2012 Wu ..... D6/501  
 D665,591 S\* 8/2012 Tanaka et al. .... D6/366  
 D683,151 S\* 5/2013 Smith et al. .... D6/366  
 D688,497 S\* 8/2013 Smith et al. .... D6/716  
 D688,498 S\* 8/2013 Smith et al. .... D6/716  
 D688,499 S\* 8/2013 Smith et al. .... D6/716  
 D688,500 S\* 8/2013 Smith et al. .... D6/716  
 D688,501 S\* 8/2013 Smith et al. .... D6/716  
 D688,502 S\* 8/2013 Smith et al. .... D6/716.2  
 D688,503 S\* 8/2013 Smith et al. .... D6/716.4  
 D688,504 S\* 8/2013 Smith et al. .... D6/716.4  
 D688,505 S\* 8/2013 Smith et al. .... D6/716.4  
 D688,907 S\* 9/2013 Smith et al. .... D6/716.2  
 2002/0003368 A1 1/2002 VanDeRiet et al.  
 2003/0030317 A1 2/2003 Chen  
 2004/0000805 A1 1/2004 VanDeRiet et al.  
 2004/0155503 A1 8/2004 Stumpf et al.  
 2004/0245835 A1 12/2004 Diffrient  
 2005/0052061 A1 3/2005 Deimen et al.  
 2005/0062323 A1 3/2005 Dicks  
 2008/0122284 A1 5/2008 Yang  
 2009/0108660 A1\* 4/2009 Weber et al. .... 297/411.36  
 2009/0195045 A1\* 8/2009 Lai ..... 297/411.35  
 2009/0278393 A1\* 11/2009 He ..... 297/411.35  
 2010/0007190 A1 1/2010 Johnson et al.  
 2010/0244521 A1 9/2010 Ueda  
 2011/0012395 A1 1/2011 Roslund et al.  
 2011/0198907 A1 8/2011 Masunaga et al.  
 2011/0248543 A1 10/2011 Hitchcock et al.

FOREIGN PATENT DOCUMENTS

EP 1778051 5/2007  
 EP 2233043 9/2010  
 EP 2282656 2/2011  
 WO 20004073456 9/2004

\* cited by examiner

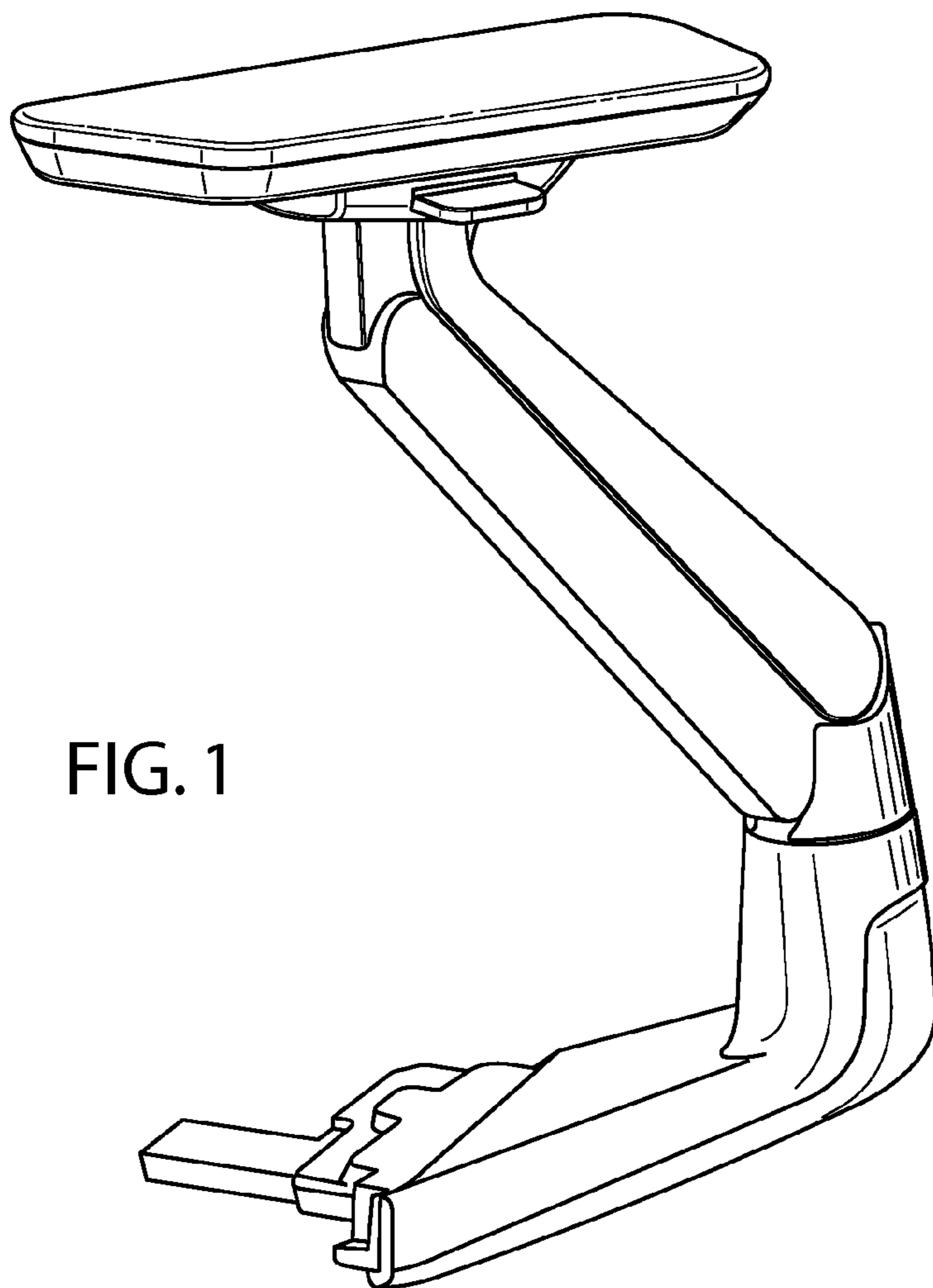


FIG. 1

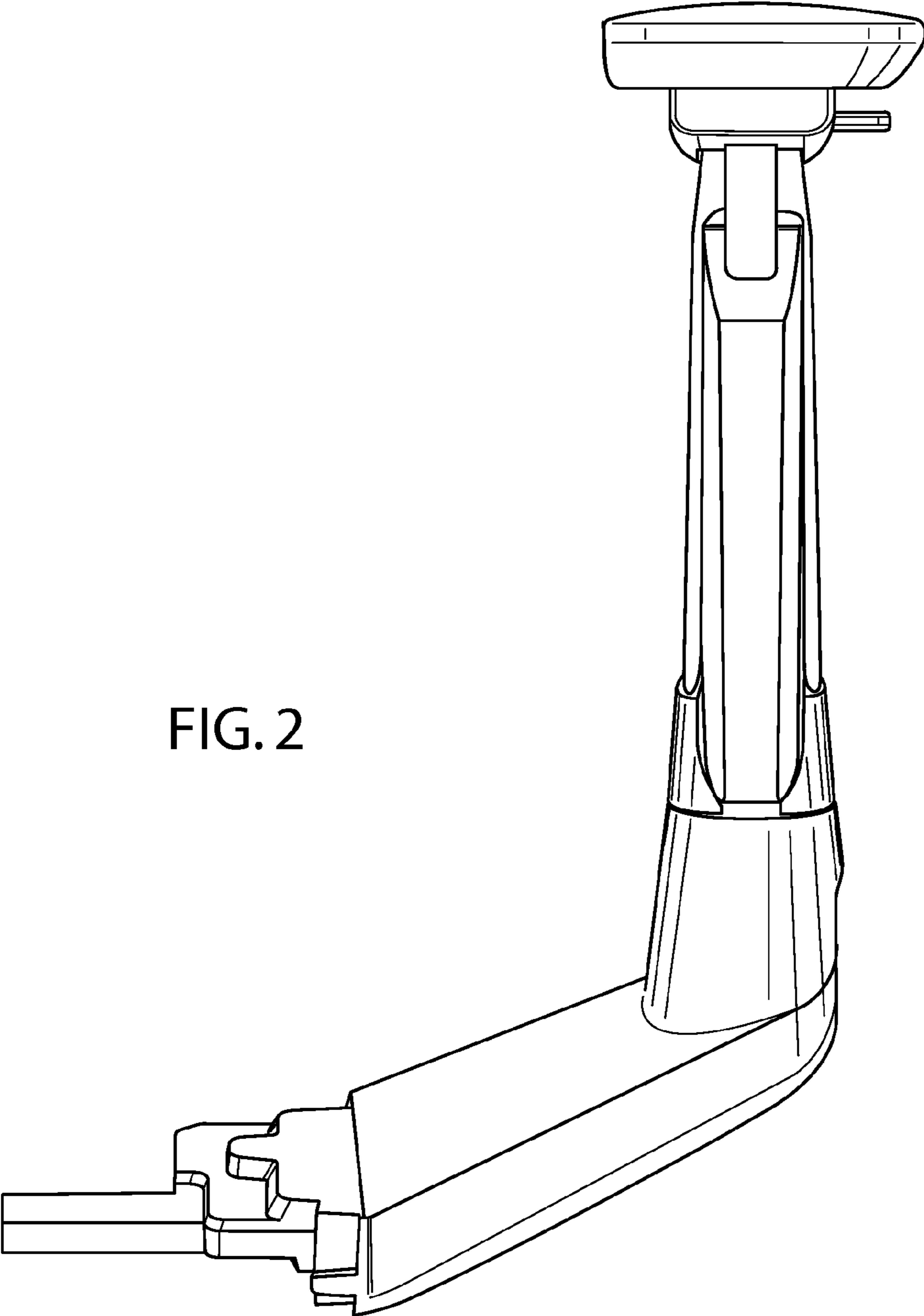


FIG. 2

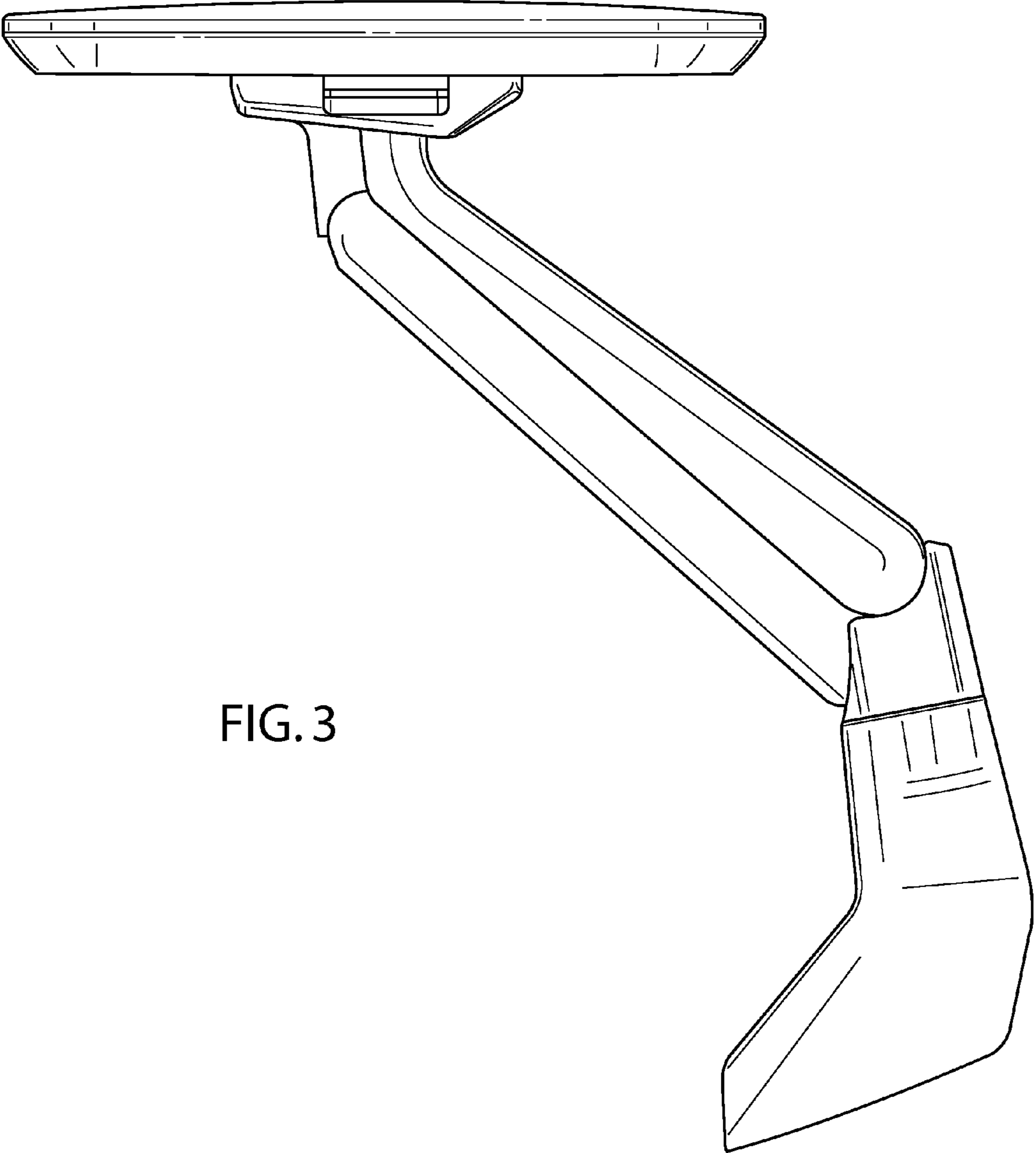


FIG. 3

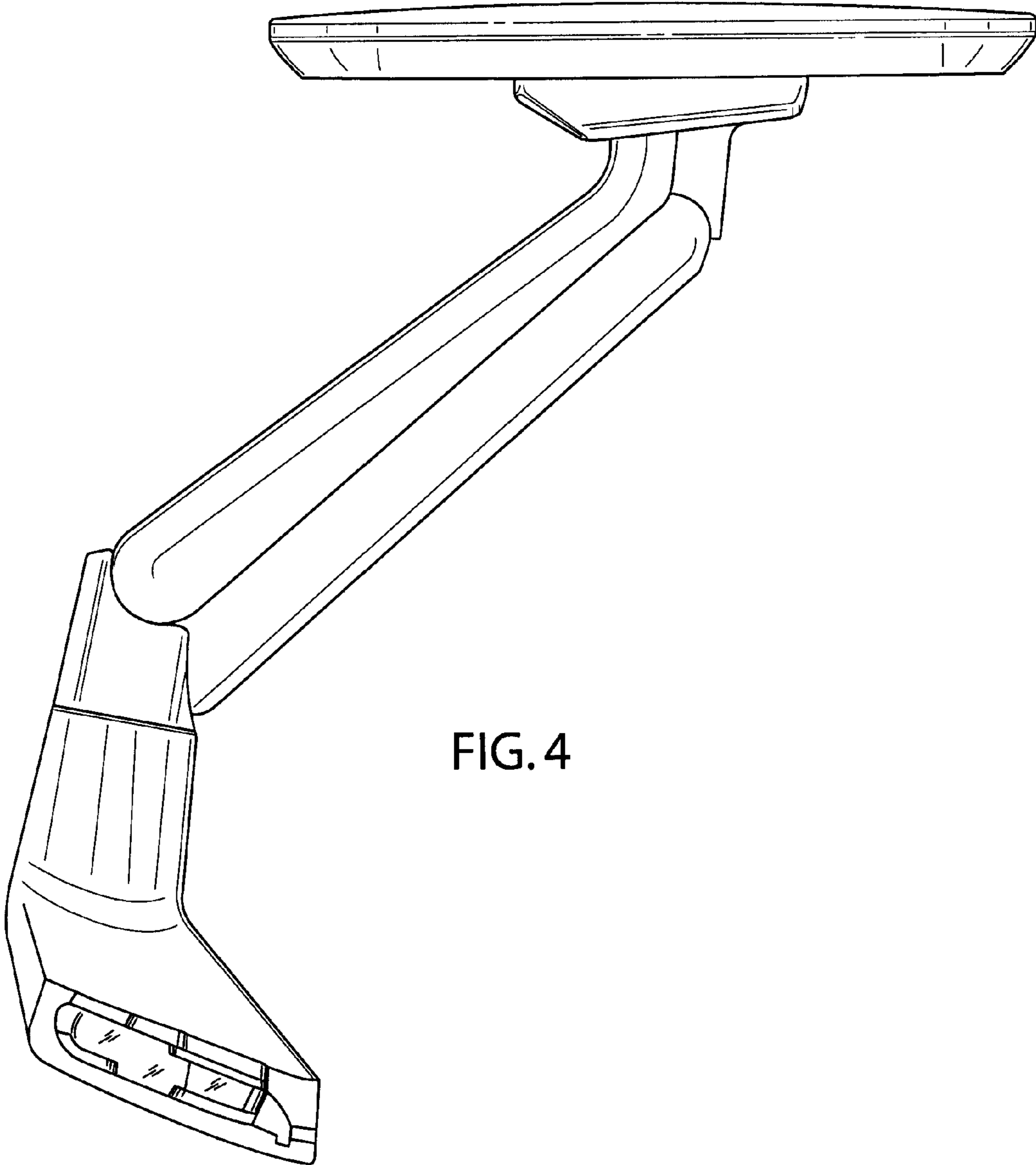


FIG. 4

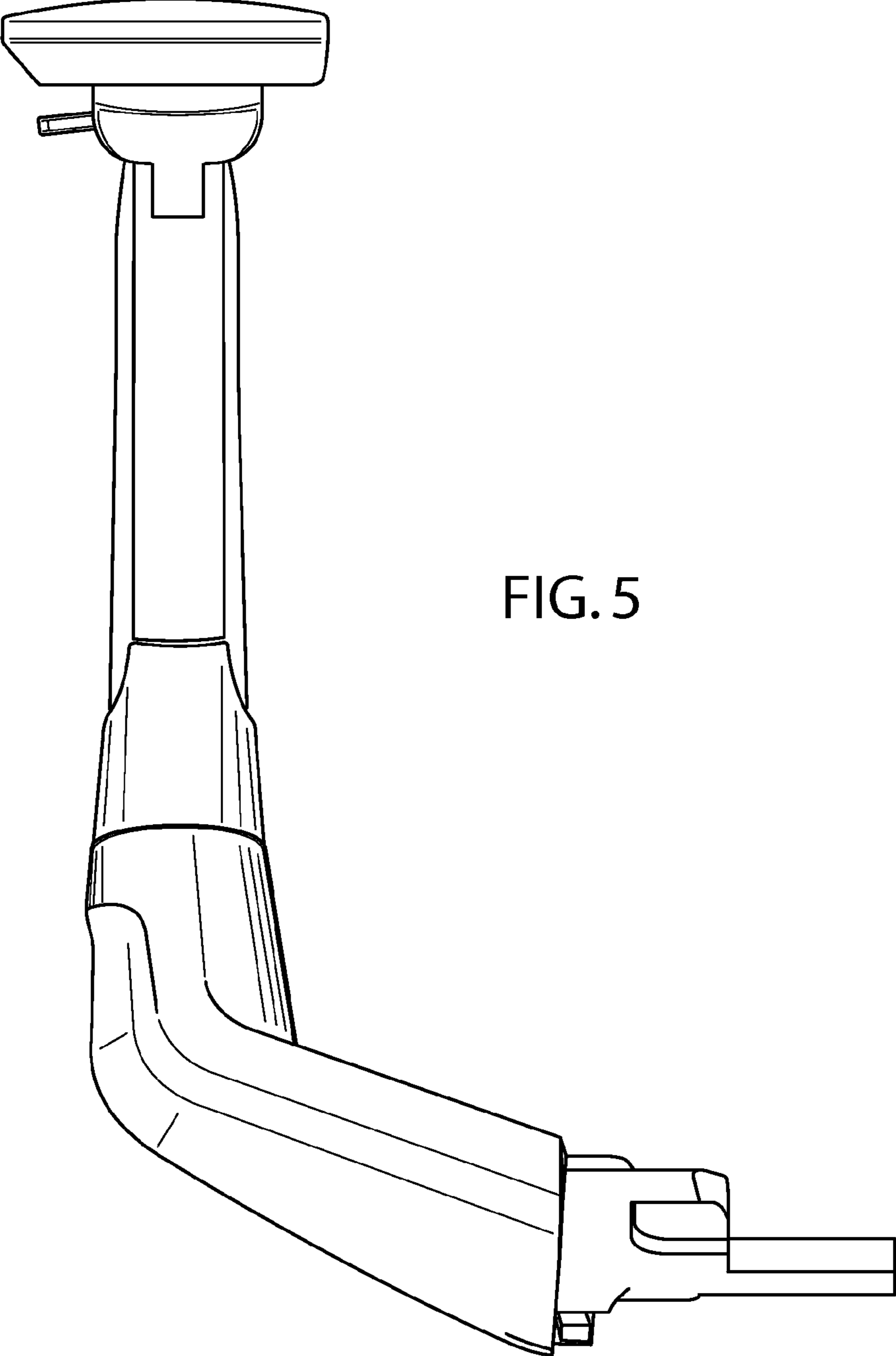


FIG. 5

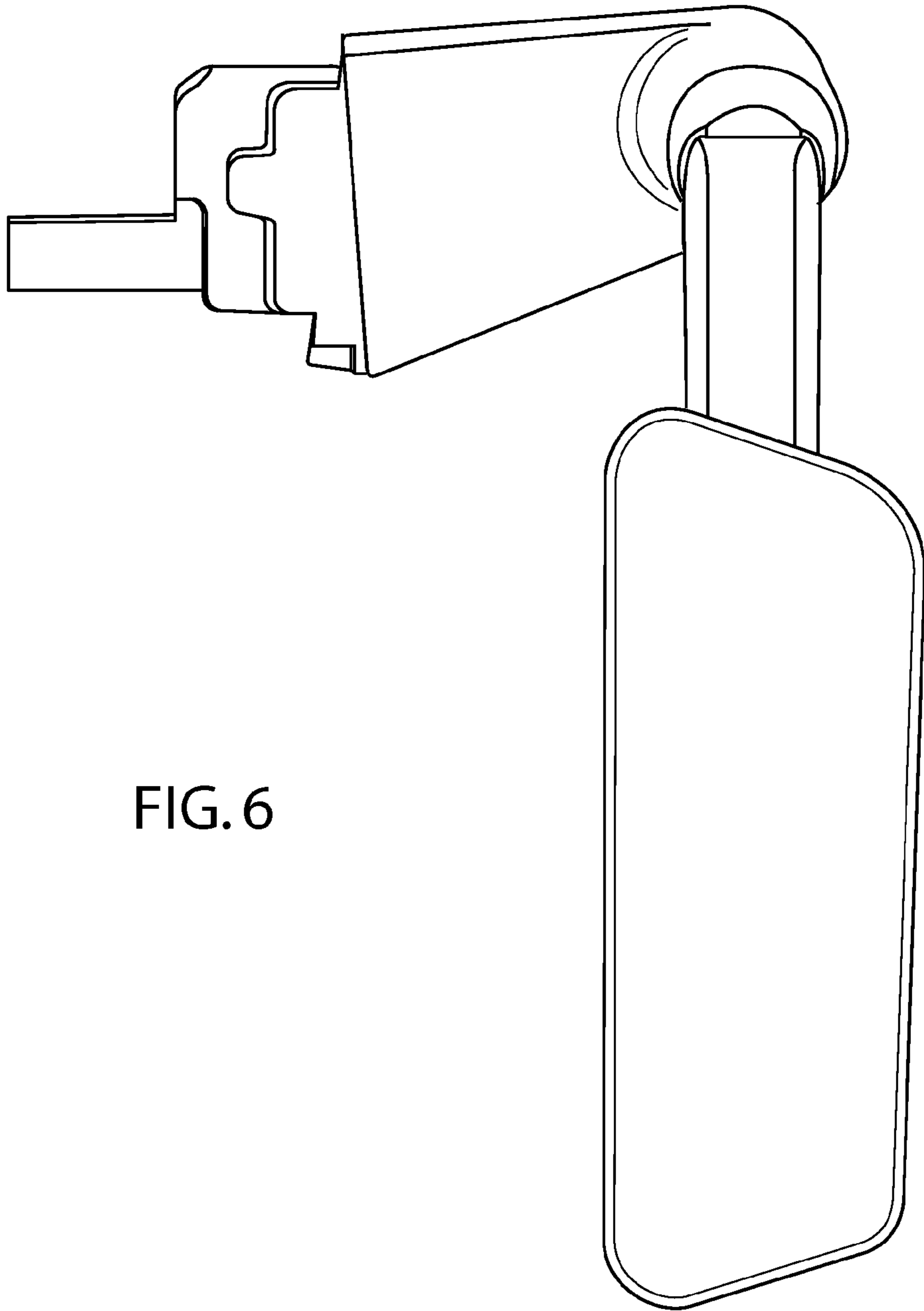


FIG. 6



FIG. 7

