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(12) **United States Design Patent**  
**Siew et al.**

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(54) **HEADGEAR ASSEMBLY FOR A PATIENT INTERFACE**

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

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**Related U.S. Application Data**

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Sep. 8, 2011, now Pat. No. Des. 692,554.

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

(52) **U.S. Cl.**  
USPC ..... **D24/110.1; D24/127**

(58) **Field of Classification Search**  
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D28/41; D2/894, 865  
CPC ..... A61M 16/0622; A61M 16/0616;  
A61M 16/0816; A61M 16/08; A61M 16/0633;  
A61M 16/06; A61M 16/0666; A61M  
2210/0618; A61M 16/0683  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,449,527 A \* 5/1984 Hinton ..... A61M 16/0488  
128/207.17  
5,010,884 A \* 4/1991 Van Derdoes ..... A61M 25/02  
128/207.17

D335,367 S \* 5/1993 Mieskoski ..... D16/339  
5,671,732 A \* 9/1997 Bowen ..... A61M 16/0465  
128/207.14  
5,782,236 A \* 7/1998 Ess ..... A61M 25/02  
128/207.14  
D399,950 S 10/1998 Shepard  
6,374,826 B1 4/2002 Gunaratnam et al.  
D476,732 S 7/2003 Smart

(Continued)

**FOREIGN PATENT DOCUMENTS**

WO WO 01/97892 12/2001  
WO WO 2007/022562 3/2007

(Continued)

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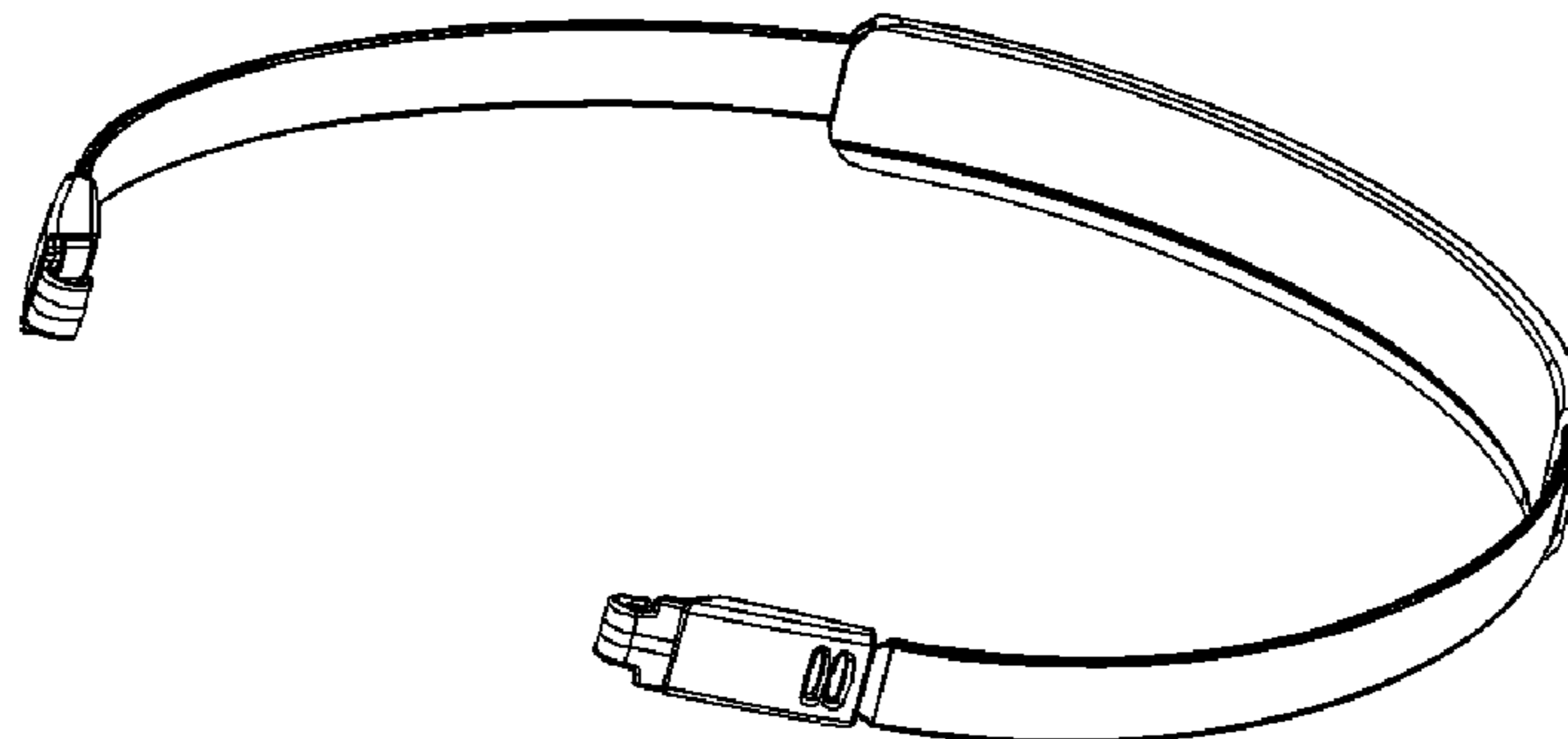
(57) **CLAIM**

The ornamental design for headgear assembly for a patient  
interface, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a headgear assembly for  
a patient interface showing the new design;  
FIG. 2 is a rear and bottom perspective view of the headgear  
assembly of FIG. 1;  
FIG. 3 is a top elevational view of the headgear assembly of  
FIG. 1;  
FIG. 4 is a bottom elevational view of the headgear assembly  
of FIG. 1;  
FIG. 5 is a left side elevational view of the headgear assembly  
of FIG. 1, the right side elevational view being a mirror image  
of the view of FIG. 5;  
FIG. 6 is a front elevational view of the headgear assembly of  
FIG. 1; and,  
FIG. 7 is a rear elevational view of the headgear assembly of  
FIG. 1.

**1 Claim, 4 Drawing Sheets**



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References Cited

U.S. PATENT DOCUMENTS

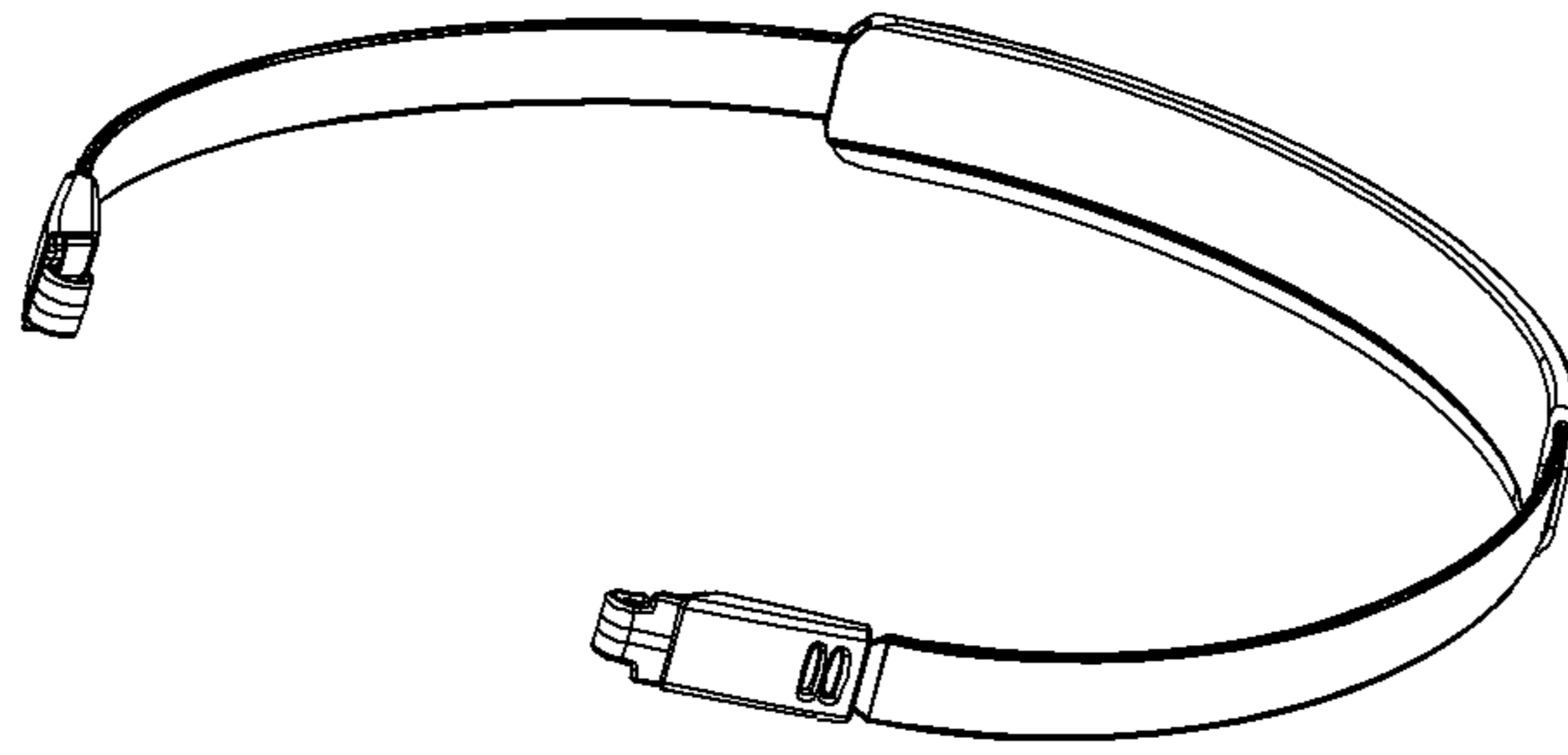
D479,876 S 9/2003 Gradon et al.  
 D485,905 S 1/2004 Moore et al.  
 D486,226 S 2/2004 Guney  
 D496,726 S \* 9/2004 Amarasinghe ..... D24/110  
 D532,511 S \* 11/2006 Amarasinghe ..... D24/110  
 D532,512 S \* 11/2006 Amarasinghe ..... D24/110  
 D536,092 S \* 1/2007 Amarasinghe ..... D24/110  
 D540,940 S \* 4/2007 Amarasinghe ..... D24/110  
 D545,961 S \* 7/2007 Hitchcock ..... D24/110.1  
 D546,441 S \* 7/2007 Hitchcock ..... D24/110.1  
 D549,322 S 8/2007 Stallard et al.  
 D550,352 S 9/2007 Chandran et al.  
 D555,785 S 11/2007 McAuley et al.  
 D557,411 S 12/2007 Smart et al.  
 D558,334 S 12/2007 Stallard et al.  
 D561,332 S \* 2/2008 Amarasinghe ..... D24/110  
 D561,893 S \* 2/2008 Gunaratnam ..... D24/110.1  
 D582,546 S 12/2008 Fujiura et al.  
 D583,047 S 12/2008 Chandran et al.  
 D583,930 S 12/2008 McAuley et al.  
 D586,458 S 2/2009 Kooij et al.  
 D586,906 S 2/2009 Stallard  
 D591,854 S \* 5/2009 Brookshire ..... D24/110  
 D595,841 S 7/2009 McAuley et al.  
 D597,199 S 7/2009 Smart et al.  
 D597,661 S 8/2009 Reid et al.  
 D612,483 S 3/2010 Chang  
 D612,932 S 3/2010 Davidson et al.  
 D612,933 S \* 3/2010 Prentice ..... D24/110.1  
 D614,289 S 4/2010 Veliss et al.  
 D614,763 S 4/2010 Maurer et al.  
 D615,187 S 5/2010 Bowden  
 D618,399 S 6/2010 Manzo  
 D624,642 S 9/2010 Collazo et al.  
 7,861,718 B2 1/2011 Janbakhsh et al.  
 D637,279 S \* 5/2011 Scheiner ..... D24/110  
 D639,419 S 6/2011 Eves et al.  
 D639,932 S 6/2011 D'Souza et al.  
 D645,138 S \* 9/2011 Leckie ..... D24/110  
 D645,955 S 9/2011 Kooij et al.  
 D651,303 S \* 12/2011 Gunaratnam ..... D24/110

D652,505 S \* 1/2012 Pidcock ..... D24/110.1  
 D653,328 S 1/2012 Eves et al.  
 D659,237 S 5/2012 Lubke et al.  
 D665,494 S 8/2012 Stallard et al.  
 D669,576 S 10/2012 Smart et al.  
 D683,446 S \* 5/2013 Eves ..... D24/110.4  
 D691,257 S 10/2013 Siew et al.  
 D692,554 S \* 10/2013 Siew ..... D24/110.1  
 D696,396 S \* 12/2013 Eves ..... D24/110.4  
 D696,767 S \* 12/2013 Scheiner ..... D24/110.1  
 D706,413 S \* 6/2014 Veliss ..... D24/110.1  
 D729,381 S \* 5/2015 Himes ..... D24/110.1  
 D735,317 S \* 7/2015 Collazo ..... D24/110.1  
 D737,953 S \* 9/2015 Wells ..... D24/110  
 2005/0188993 A1 \* 9/2005 Steeves ..... A61M 16/047  
 128/207.17  
 2007/0235033 A1 \* 10/2007 Reier ..... A62B 18/084  
 128/207.11  
 2009/0044808 A1 \* 2/2009 Guney ..... A61M 16/0666  
 128/206.24  
 2009/0178680 A1 \* 7/2009 Chang ..... A62B 18/084  
 128/206.27  
 2010/0122701 A1 5/2010 Gunaratnam et al.  
 2010/0258136 A1 \* 10/2010 Doherty ..... A61M 16/0666  
 128/207.17  
 2010/0313891 A1 12/2010 Veliss et al.  
 2011/0146685 A1 6/2011 Allan et al.  
 2011/0259335 A1 \* 10/2011 Sullivan ..... A61M 16/0683  
 128/205.25  
 2012/0012114 A1 1/2012 Chandran et al.  
 2013/0199537 A1 \* 8/2013 Formica ..... A61M 16/06  
 128/205.25  
 2015/0224274 A1 \* 8/2015 Siew ..... A61M 16/0683  
 128/206.24  
 2015/0283349 A1 \* 10/2015 McLaren ..... A61M 16/06  
 128/206.21

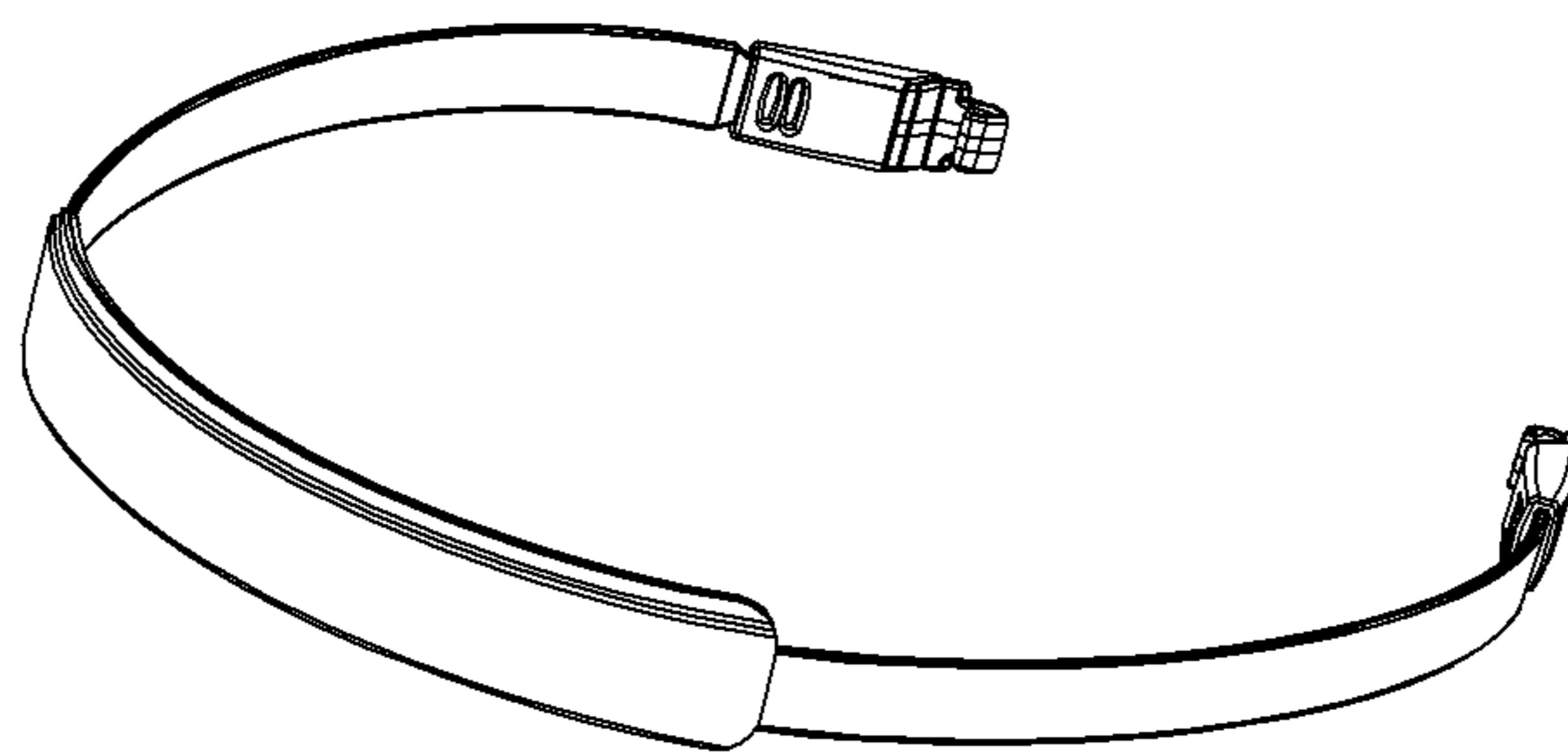
FOREIGN PATENT DOCUMENTS

WO WO 2009/139647 11/2009  
 WO WO 2010/131189 11/2010  
 WO WO 2011/059346 5/2011

\* cited by examiner



*FIG. 1*



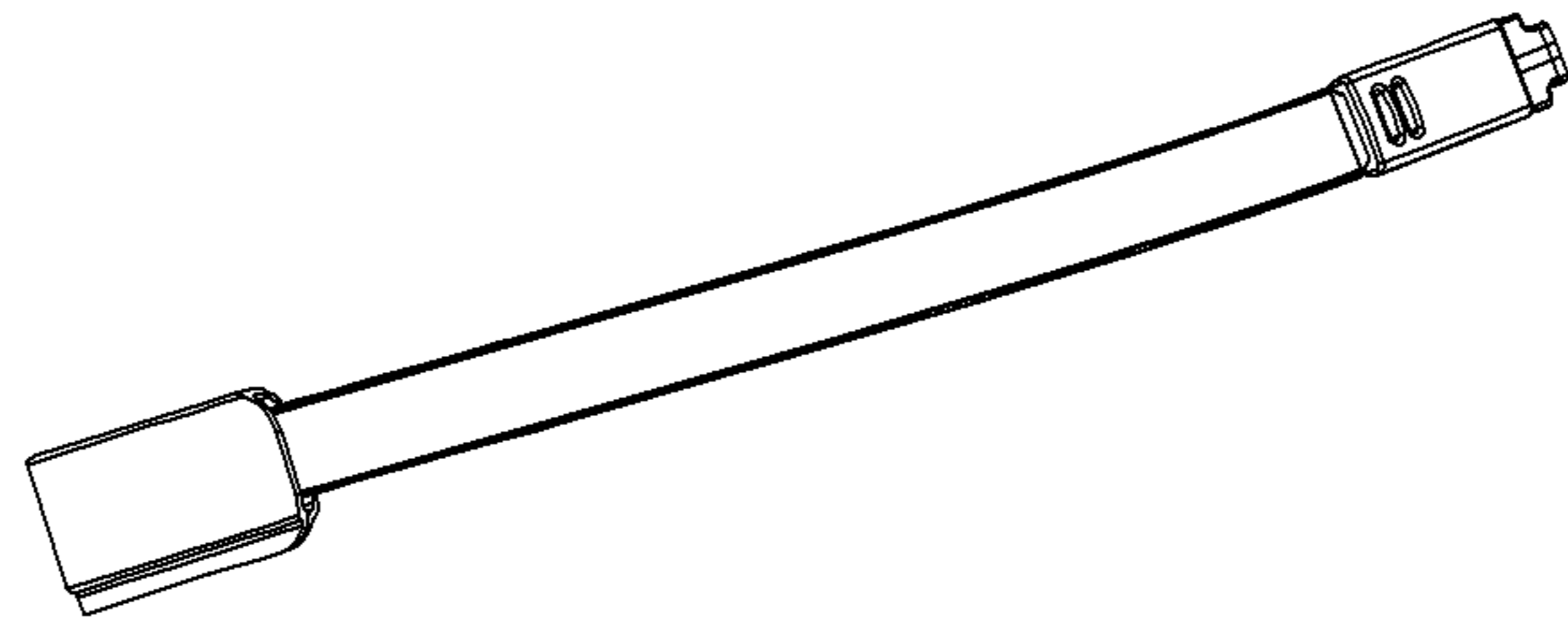
*FIG. 2*

*FIG. 3*



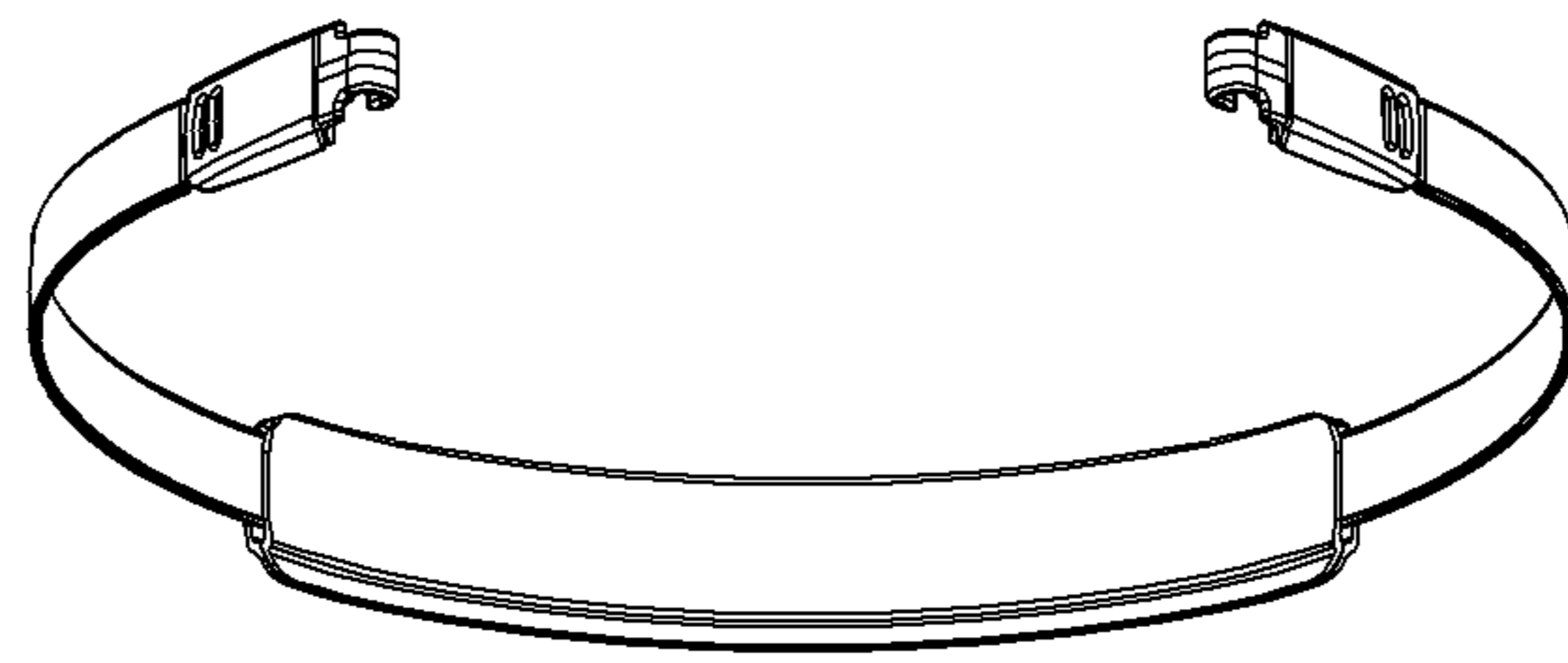
*FIG. 4*





*FIG. 5*

*FIG. 6*



*FIG. 7*

