



US00D692554S

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

(10) **Patent No.:** US D692,554 S

(45) **Date of Patent:** \*\* Oct. 29, 2013

(54) **PATIENT INTERFACE ASSEMBLY**

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

(21) Appl. No.: **29/401,231**

(22) Filed: **Sep. 8, 2011**

(51) **LOC (9) Cl.** ..... **29-02**

(52) **U.S. Cl.**  
USPC ..... **D24/110.4; D24/110.1**

(58) **Field of Classification Search**  
USPC ..... **D24/110.1–110.5; 128/204.18–207.17**  
See application file for complete search history.

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*Primary Examiner* — Richard E Chilcot

(74) *Attorney, Agent, or Firm* — Knobbe, Martens, Olson & Bear, LLP.

(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front perspective view of a patient interface which incorporates our design;  
 FIG. 2 is a rear perspective view of the patient interface of FIG. 1;  
 FIG. 3 is a top elevational view of the patient interface of FIG. 1;  
 FIG. 4 is a bottom elevational view of the patient interface of FIG. 1;  
 FIG. 5 is a left side elevational view of the patient interface 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 patient interface of FIG. 1;  
 FIG. 7 is a rear elevational view of the patient interface of FIG. 1;  
 FIG. 8 is a front perspective view of a seal of the patient interface of FIG. 1;  
 FIG. 9 is a rear perspective view of the seal of FIG. 8;  
 FIG. 10 is a front elevational view of the seal of FIG. 8;  
 FIG. 11 is a rear elevational view of the seal of FIG. 8;  
 FIG. 12 is a left side elevational view of the seal of FIG. 8, the right side elevational view being a mirror image of the view of FIG. 12;  
 FIG. 13 is a top elevational view of the seal of FIG. 8;  
 FIG. 14 is a bottom elevational view of the seal of FIG. 8;  
 FIG. 15 is a front perspective view of a frame assembly of the patient interface of FIG. 1;

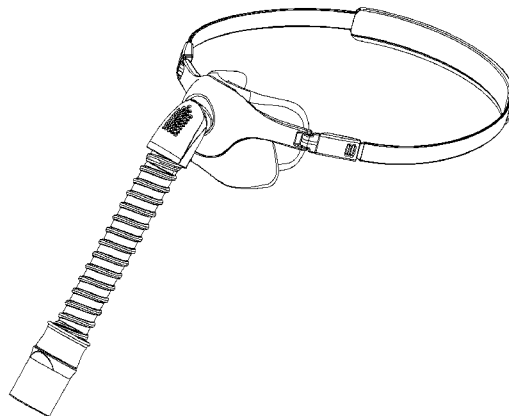


FIG. 16 is a rear perspective view of the frame assembly of FIG. 15;

FIG. 17 is a top elevational view of the frame assembly of FIG. 15;

FIG. 18 is a bottom elevational view of the frame assembly of FIG. 15;

FIG. 19 is a left side elevational view of the frame assembly of FIG. 15, the right side elevational view being a mirror image of the view of FIG. 19;

FIG. 20 is a front elevational view of the frame assembly of FIG. 15;

FIG. 21 is a rear elevational view of the frame assembly of FIG. 15;

FIG. 22 is a front perspective view of a cover of the frame assembly of FIG. 15;

FIG. 23 is a rear perspective view of the cover of FIG. 22;

FIG. 24 is a bottom elevational view of the cover of FIG. 22;

FIG. 25 is a top elevational view of the cover of FIG. 22;

FIG. 26 is a left side elevational view of the cover of FIG. 22, the right side elevational view being a mirror image of the view of FIG. 26;

FIG. 27 is a front elevational view of the cover of FIG. 22;

FIG. 28 is a rear elevational view of the cover of FIG. 22;

FIG. 29 is a front perspective view of a frame component of the frame assembly of FIG. 15;

FIG. 30 is a rear perspective view of the frame component of FIG. 29;

FIG. 31 is a front elevational view of the frame component of FIG. 29;

FIG. 32 is a rear elevational view of the frame component of FIG. 29;

FIG. 33 is a left side elevational view of the frame component of FIG. 29, the right side elevational view being a mirror image of the view of FIG. 33;

FIG. 34 is a top elevational view of the frame component of FIG. 29;

FIG. 35 is a bottom elevational view of the frame component of FIG. 29;

FIG. 36 is a front perspective view of a headgear assembly of the patient interface of FIG. 1;

FIG. 37 is a rear perspective view of the headgear assembly of FIG. 36;

FIG. 38 is a top elevational view of the headgear assembly of FIG. 36;

FIG. 39 is a bottom elevational view of the headgear assembly of FIG. 36;

FIG. 40 is a left side elevational view of the headgear assembly of FIG. 36, the right side elevational view being a mirror image of the view of FIG. 40;

FIG. 41 is a front elevational view of the headgear assembly of FIG. 36;

FIG. 42 is a rear elevational view of the headgear assembly of FIG. 36;

FIG. 43 is a right perspective view of a connector terminating the strap of the headgear assembly of FIG. 36;

FIG. 44 is a left perspective view of the connector of FIG. 43;

FIG. 45 is a top elevational view of the connector of FIG. 43;

FIG. 46 is a bottom elevational view of the connector of FIG. 43;

FIG. 47 is a left side elevational view of the connector of FIG. 43;

FIG. 48 is a right side elevational view of the connector of FIG. 43;

FIG. 49 is a front elevational view of the connector of FIG. 43;

FIG. 50 is a rear elevational view of the connector of FIG. 43;

FIG. 51 is a right side elevational view of the connector of FIG. 43 oriented to the horizontal plane;

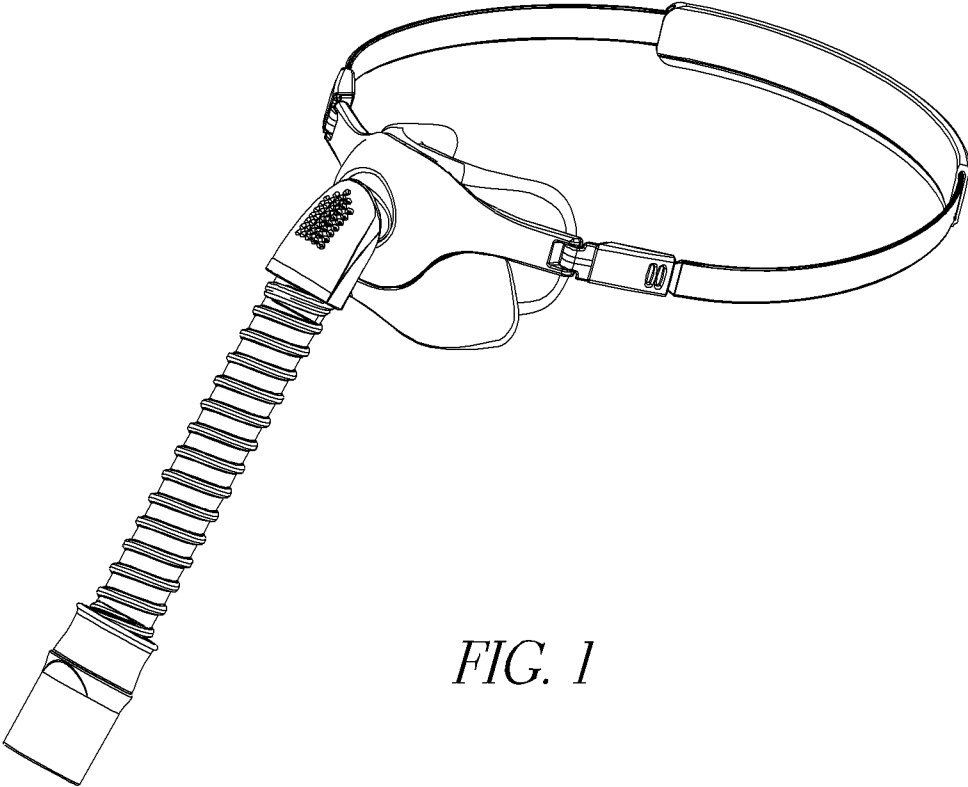
FIG. 52 is a left side elevational view of the connector of FIG. 51;

FIG. 53 is a top elevational view of the connector of FIG. 51, the bottom elevational view being the mirror image of the view of FIG. 53;

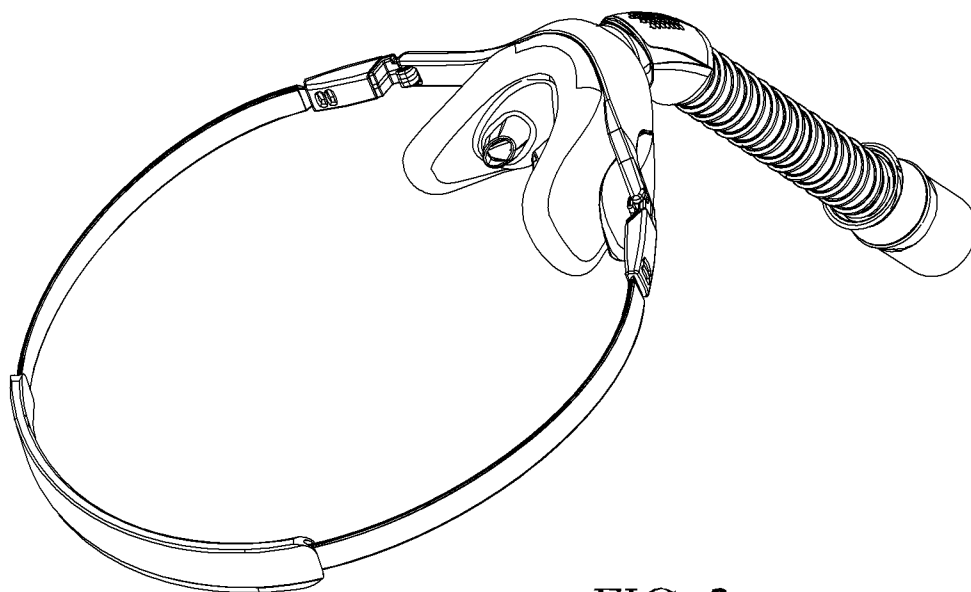
FIG. 54 is a front elevational view of the connector of FIG. 51; and,

FIG. 55 is a rear plan view of the connector of FIG. 51.

**1 Claim, 30 Drawing Sheets**



*FIG. 1*



*FIG. 2*

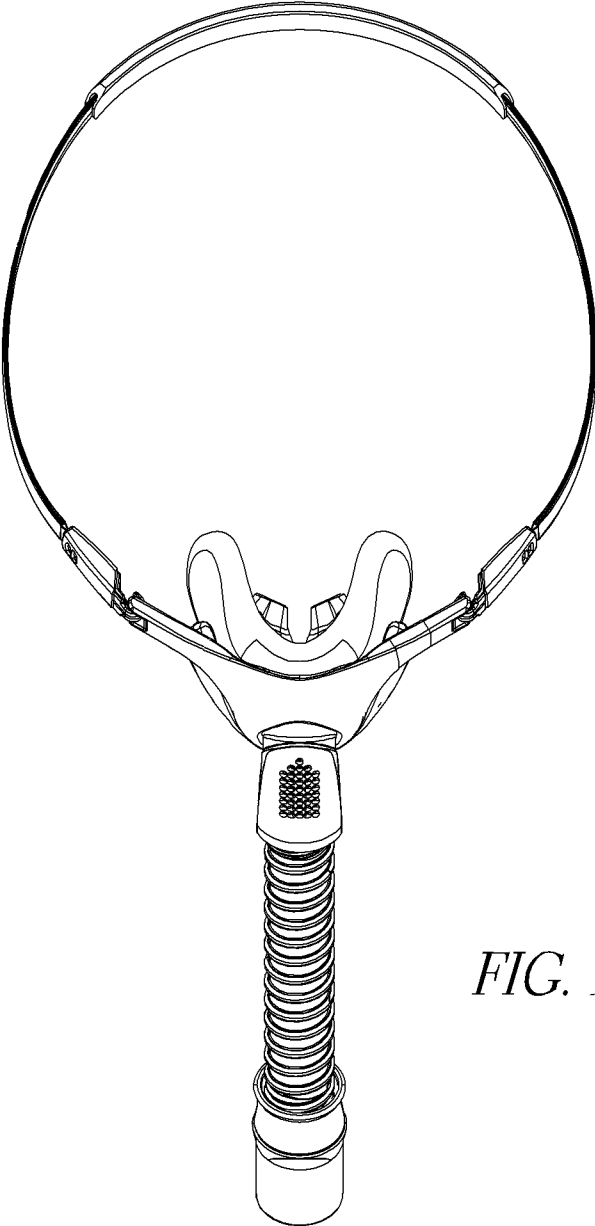
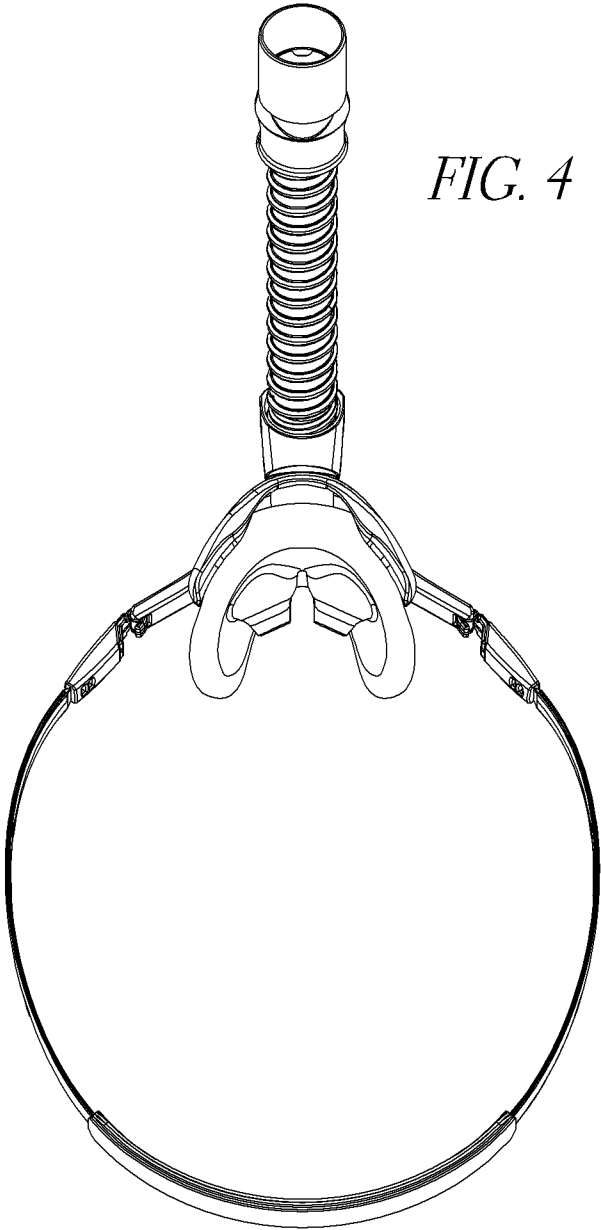


FIG. 3



*FIG. 4*

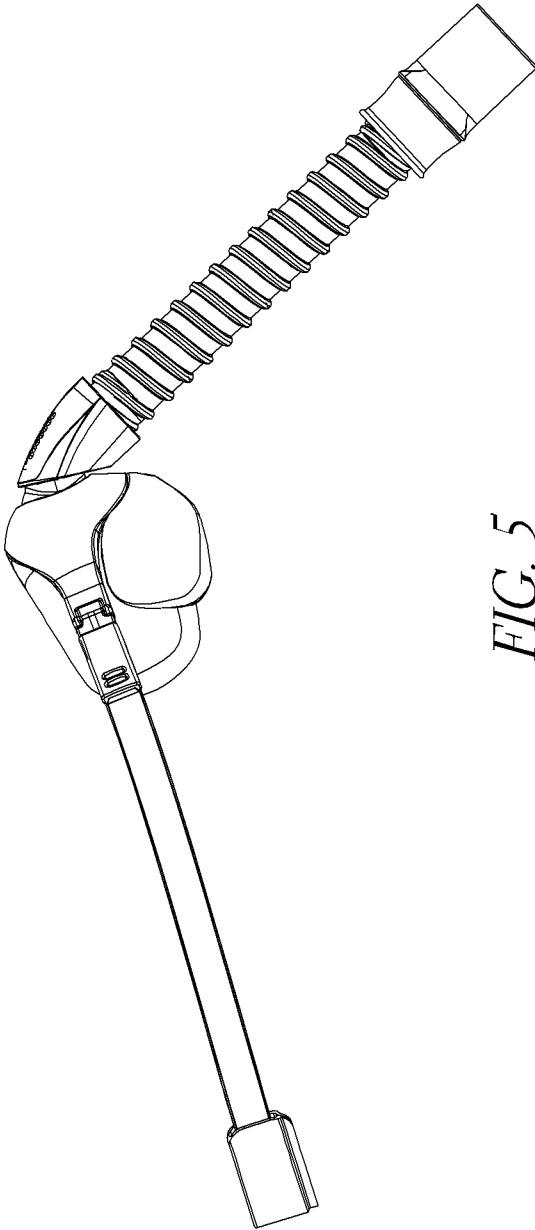
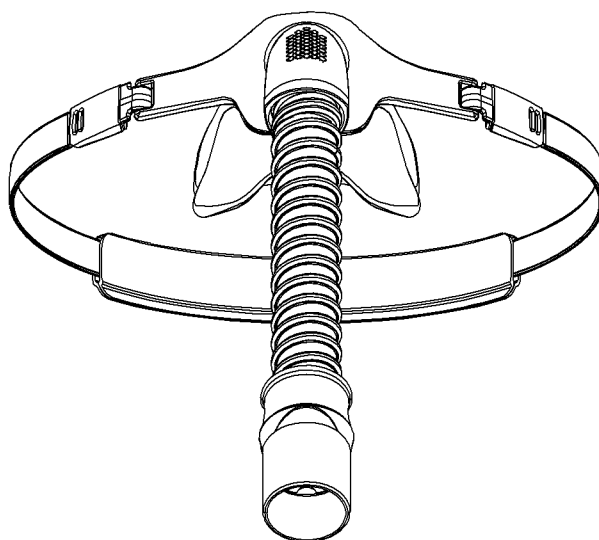
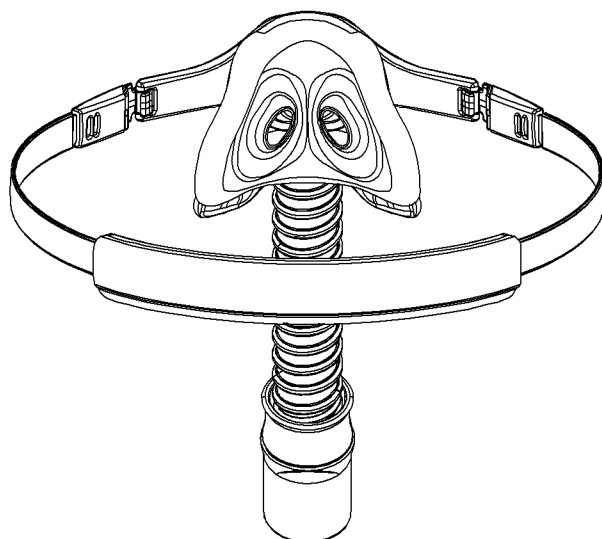


FIG. 5

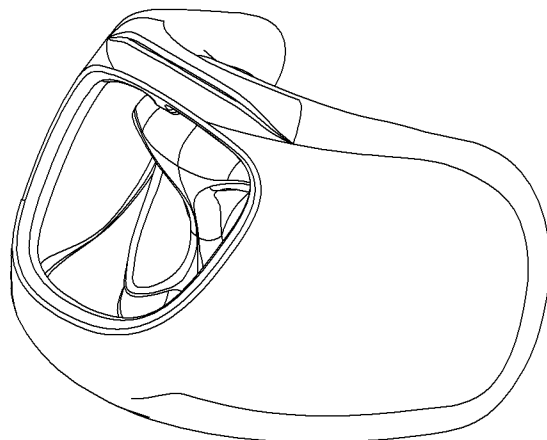


*FIG. 6*

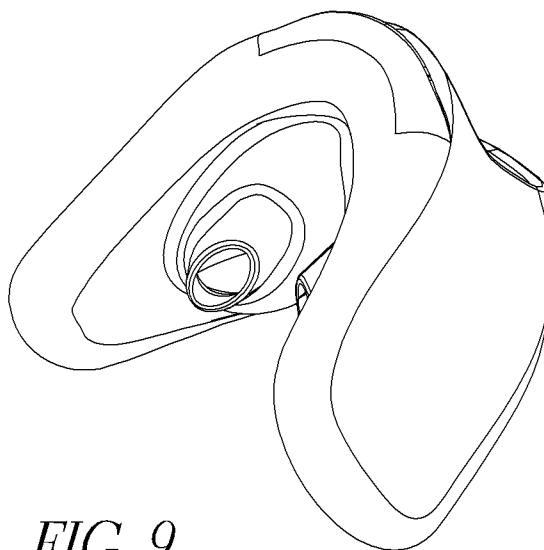




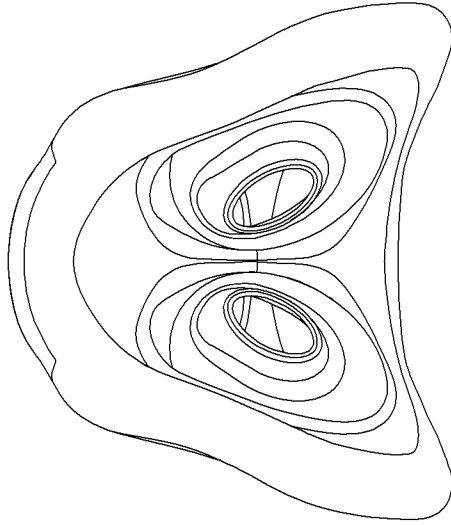
*FIG. 7*



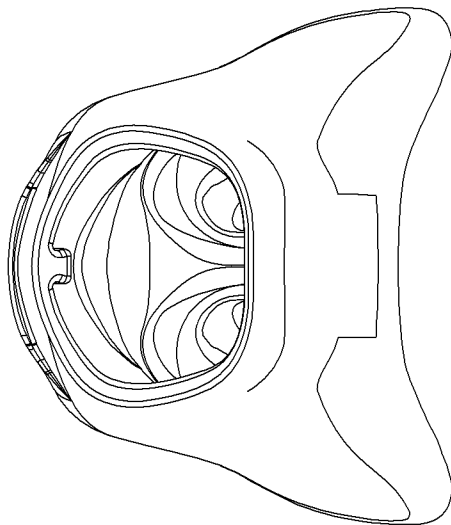
*FIG. 8*



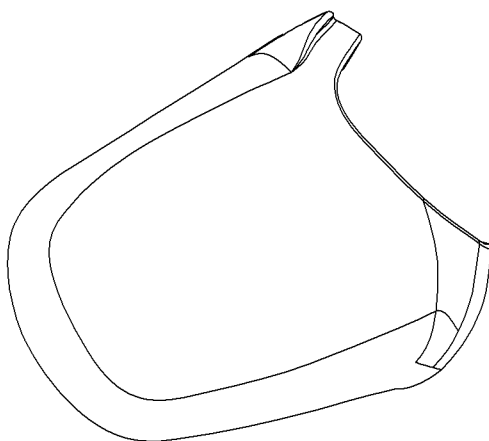
*FIG. 9*



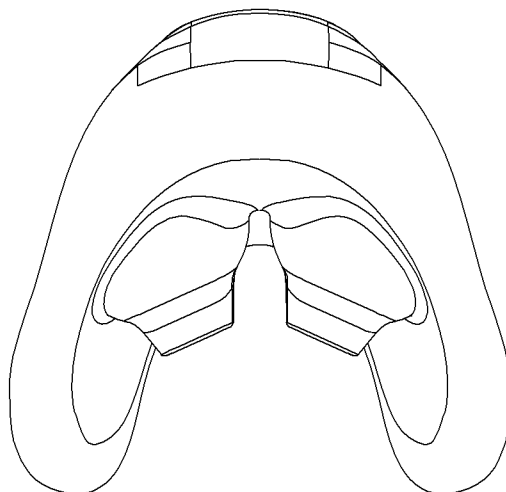
*FIG. 11*



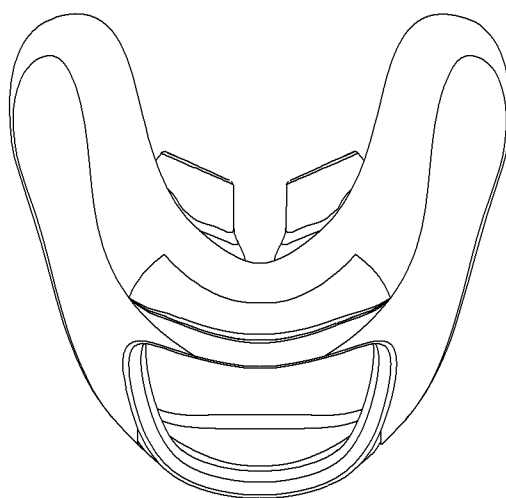
*FIG. 10*



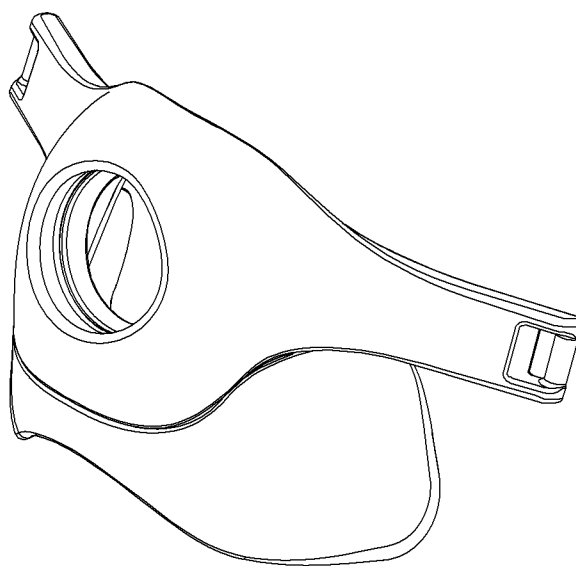
*FIG. 12*



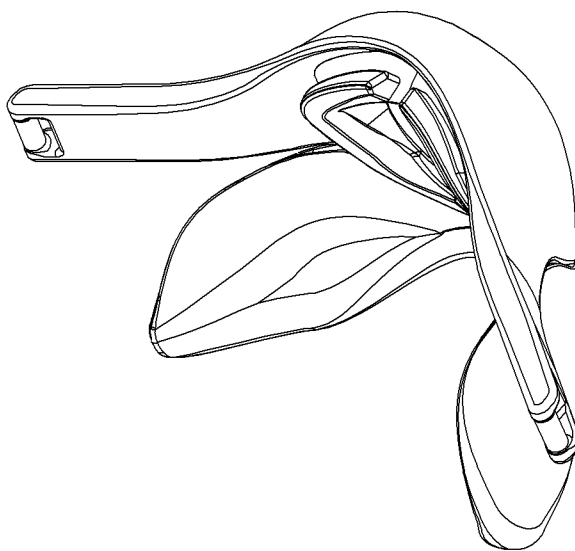
*FIG. 13*



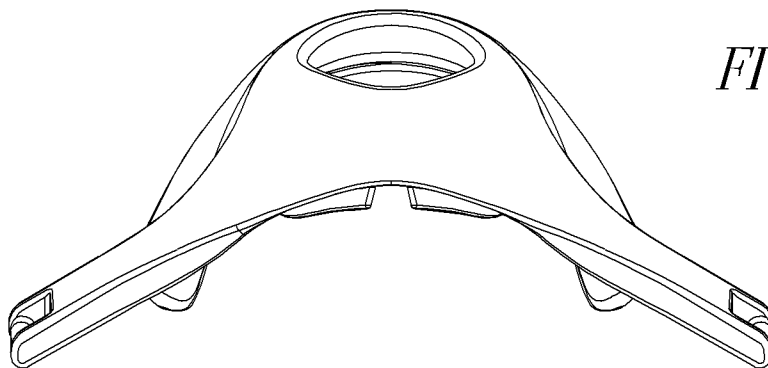
*FIG. 14*



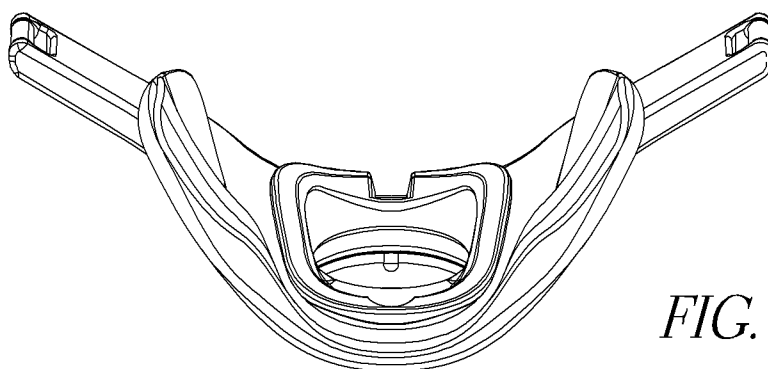
*FIG. 15*



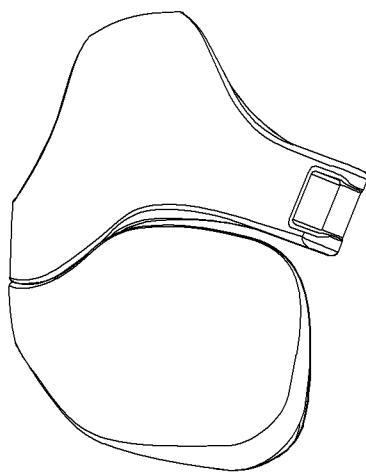
*FIG. 16*



*FIG. 17*

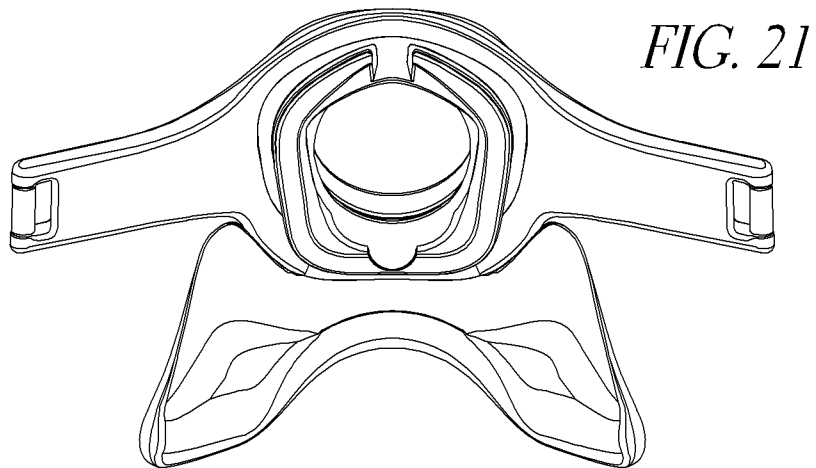
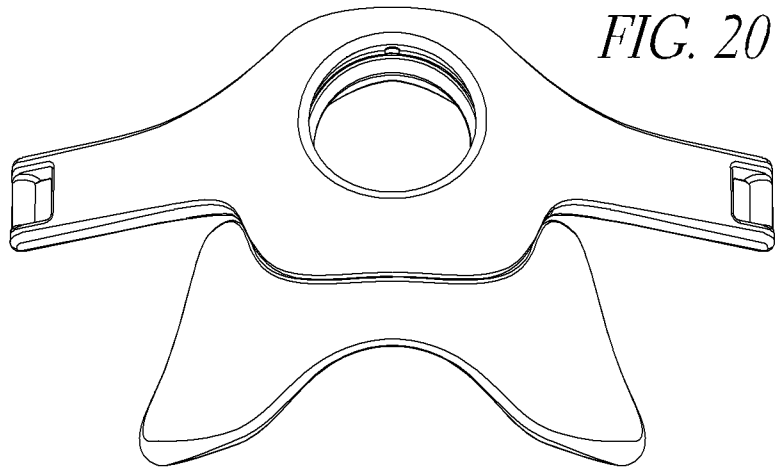


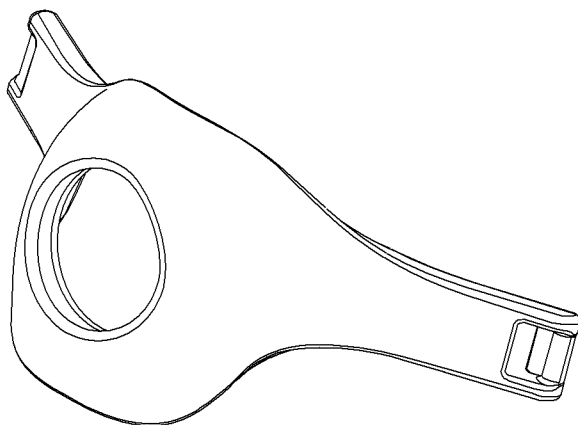
*FIG. 18*



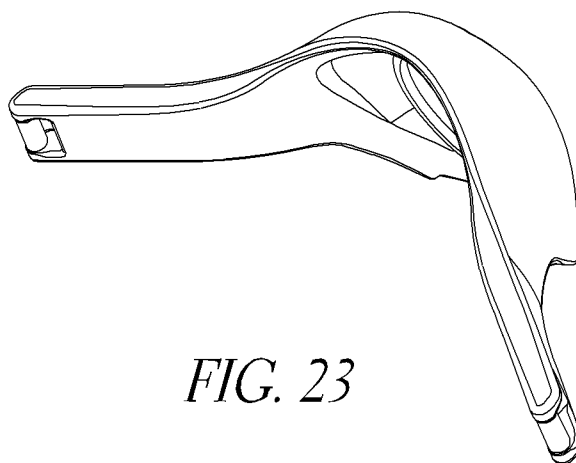
*FIG. 19*



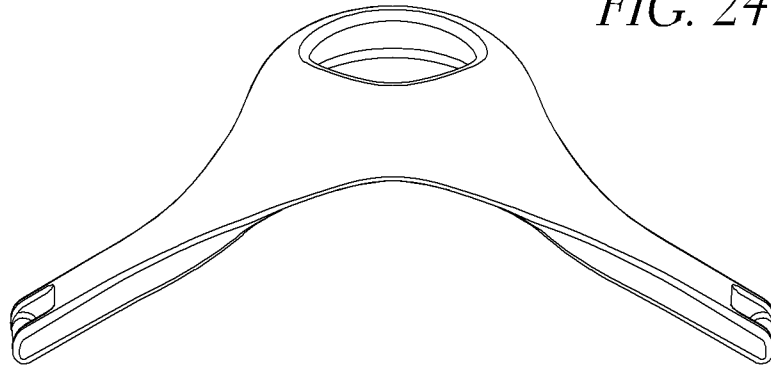




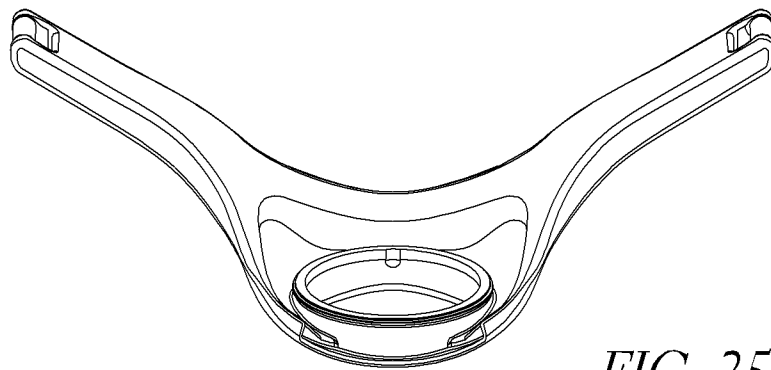
*FIG. 22*



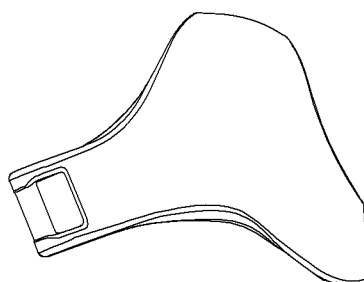
*FIG. 23*



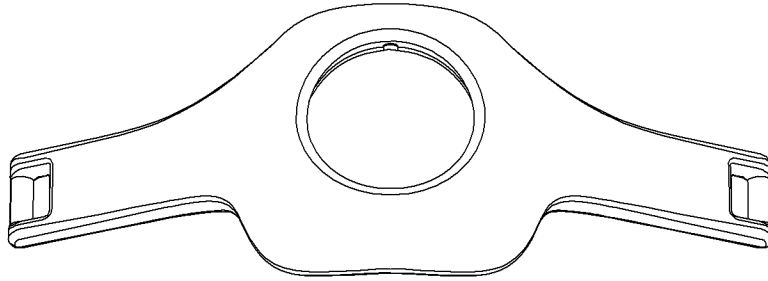
*FIG. 24*



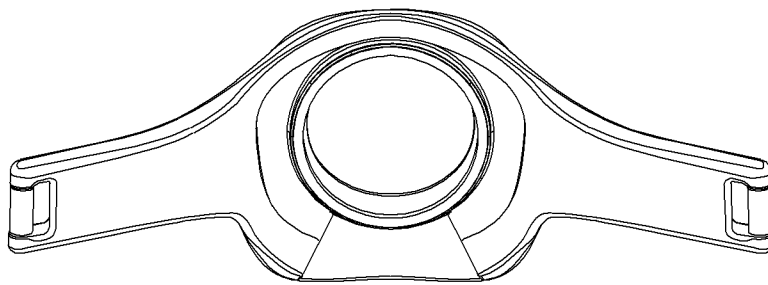
*FIG. 25*



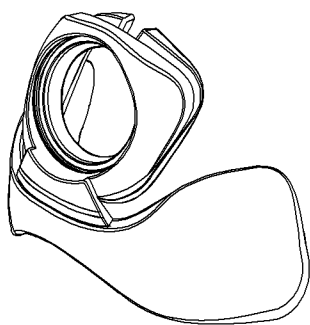
*FIG. 26*



*FIG. 27*



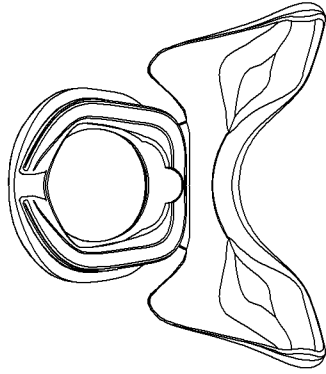
*FIG. 28*



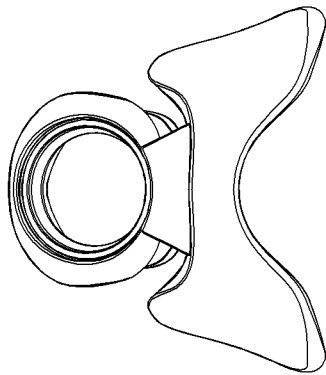
*FIG. 29*



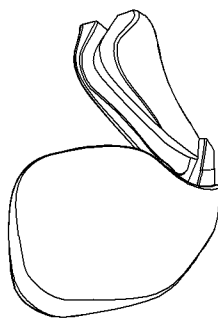
*FIG. 30*



*FIG. 32*

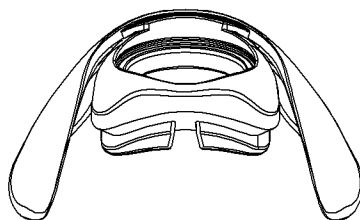


*FIG. 31*



*FIG. 33*

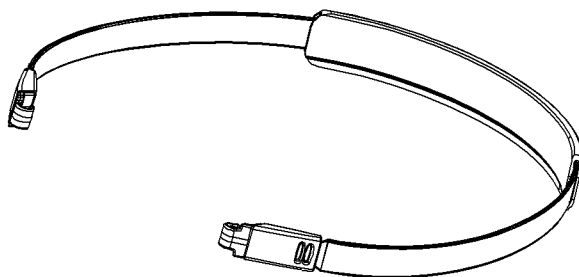




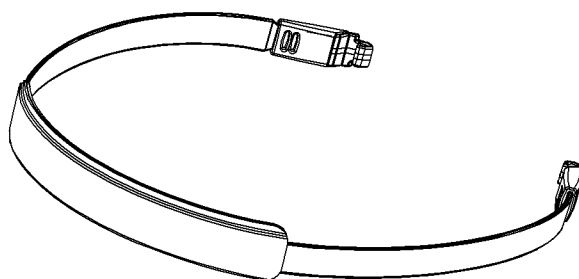
*FIG. 34*



*FIG. 35*



*FIG. 36*



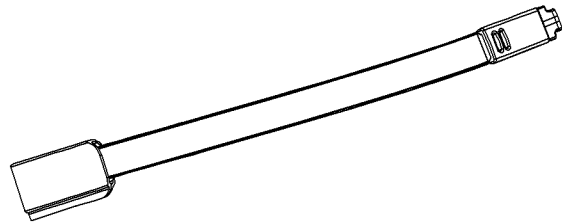
*FIG. 37*

*FIG. 38*



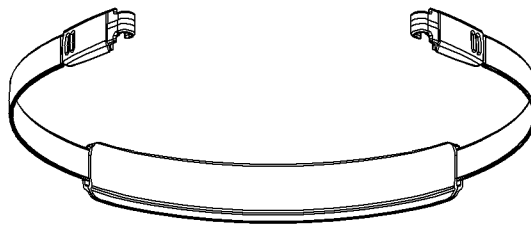
*FIG. 39*



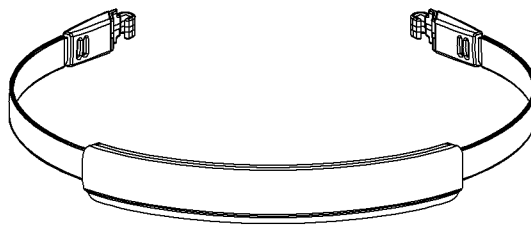


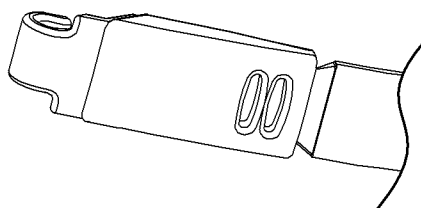
*FIG. 40*

*FIG. 41*

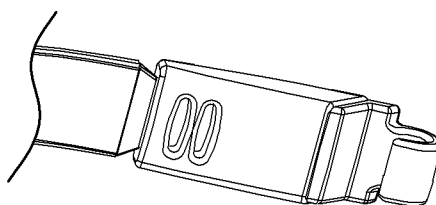


*FIG. 42*





*FIG. 43*



*FIG. 44*

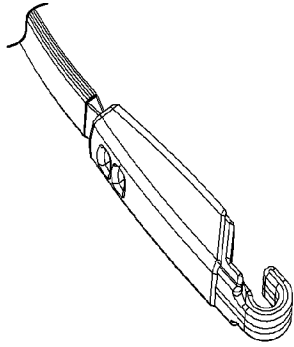


FIG. 45

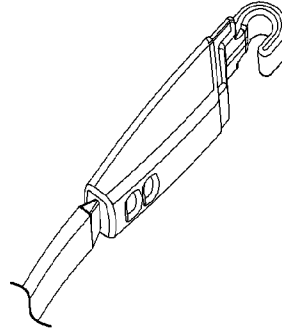


FIG. 46

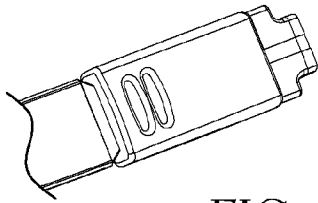


FIG. 47

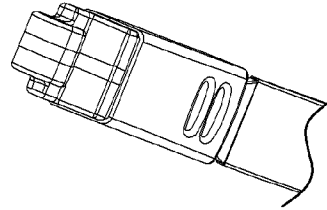


FIG. 48

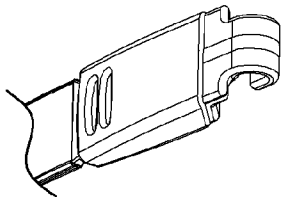


FIG. 49

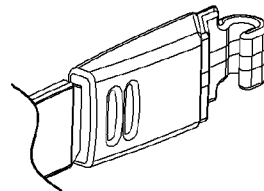
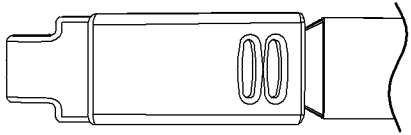
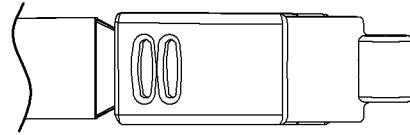


FIG. 50

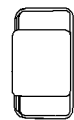


*FIG. 51*

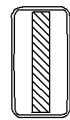


*FIG. 52*

*FIG. 53*



*FIG. 54*



*FIG. 55*