

WHAT IS CLAIMED IS:

1. An interface and headgear assembly comprising:
an interface comprising a frame and a seal supported by the frame;
a headgear assembly removably connected to the interface, the headgear
5 comprising a first strap configured to connect at a first end to the interface and at a
second end to the interface, a crown strap connected to the first strap, the crown
strap comprising a first bridge region and a second bridge region, the first bridge
region defining a first passage that receives the first strap and the second bridge
region defining a second passage that receives the first strap, wherein each of the
10 first bridge region and the second bridge region is adjustable in position relative to
the first strap, and wherein each of the first bridge region and the second bridge
region comprises a first loop and a second loop configured to receive the first strap
and further comprises a lower lip and at least one medial member positioned
between the first loop and the second loop and extending vertically upward from
15 the lower lip.
2. The assembly of Claim 1, wherein each of the first and second loops is an
interrupted loop.
3. The assembly of Claim 2, wherein each of the first and second loops
comprises an upper portion and a lower portion defining a slot therebetween.
- 20 4. The assembly of Claim 3, wherein a width of a passageway defined by
each of the first and second loops is smaller at the upper portion than at the lower portion.
5. The assembly of any one of Claims 1-4, wherein the at least one medial
member supports the first strap at a relatively higher position than a position of the first
strap at the first and second loops.
- 25 6. The assembly of any one of Claims 1-5, wherein the at least one medial
member comprises a lower medial member and an upper medial member and the first
strap can be engaged with either of the lower or upper medial members to adjust an
effective length of the first strap.
7. The assembly of any one of Claims 1-6, wherein the crown strap comprises
30 a first strap region and a second strap region, the first strap region and the second strap
region being removably coupled together.
8. The assembly of Claim 7, wherein the first strap region and the second
strap region are coupled by an adjustment mechanism.

9. The assembly of Claim 8, wherein the adjustment mechanism comprises a plurality of apertures and one or more posts that are selectively engageable with the plurality of apertures.

5 10. The assembly of Claim 8, wherein the adjustment mechanism comprises two or more slots and a plurality of ridges that are selectively engageable with the one or more slots.

11. The assembly of Claim 8, wherein the adjustment mechanism comprises one or more slots and one or more wedges or flaps that are selectively engageable with the one or more slots.

10 12. The assembly of any one of Claims 1-11, wherein the first strap is constructed from a stretchable material.

13. The assembly of Claim 12, wherein the crown strap is constructed from a substantially non-stretchable material.

15 14. The assembly of Claim 13, wherein at least a strap region of the crown strap is constructed from a flexible material.

15. The assembly of Claim 14, wherein the material of the strap region has sufficient rigidity such that it is capable of substantially maintaining its shape.

16. The assembly of any one of Claims 1-15, further comprising a sleeve on the first strap.

20 17. The assembly of Claim 16, wherein a surface of the sleeve that contacts a user in use comprises grip-enhancing features.