WHAT IS CLAIMED IS:

1. A headgear for a respiratory mask, the headgear comprising:

a first strap;

a second strap;

a pair of buckles comprising a corresponding buckle for the first and second straps, each corresponding buckle comprising:

a glider portion;

a strap attachment portion; and

a pivot connection between the glider portion and the strap attachment portion,

wherein each of the first and second straps comprises a first end, a second end, and a length therebetween,

wherein each of the first and second straps is configured to connect to the respiratory mask at the first end, to adjustably couple to the corresponding buckle at the glider portion, and to be fixedly coupled to the strap attachment portion of another buckle of the pair of buckles at the second end, and

wherein each buckle is configured to move along the length of the first or second strap to adjust the size of the headgear.

2. The headgear of Claim 1~~ or 2~~, wherein the first or second strap comprises a tubular structure.

3. The headgear of any of the preceding claims, wherein for at least one buckle, the glider portion includes at least one aperture through which the first or second strap passes.

4. The headgear of any of the preceding claims, wherein for at least one buckle, the glider portion or the strap attachment portion comprise a circular profile and overlap such that the buckle forms a single circular profile.

5. The headgear of any of the preceding claims, wherein for at least one buckle, the glider portion and the strap attachment portion comprise a semi-circular profile on one

end and a rectangular profile on another end, and wherein for the at least one buckle, the pivot connection is located at the semi-circular profile ends of the glider portion and the strap attachment portion, and wherein the semi-circular profile ends overlap.

6. The headgear of any of the preceding claims, wherein at least one of the first and second straps is overmoulded to the strap attachment portion of the other buckle or wherein at least one of the first and second straps is welded to the strap attachment portion of the other buckle.

7. The headgear of any of the preceding claims, wherein for at least one buckle, the pivot connection comprises a snap-fit dome and a ring.

8. The headgear of any of the preceding claims, wherein the headgear is configured to be adapted between a first configuration and a second configuration, wherein the first configuration comprises portions of the first and second straps overlapping in a region between the pair of buckles; and

wherein the second configuration comprises the portions of the first and second straps bifurcating in the region between the pair of buckles and wherein the pair of buckles is configured to adjust the size of the headgear while in the second configuration.

~~9. A headgear for a respiratory mask, the headgear comprising:~~

~~a first strap;~~

~~a second strap, each of the first and second straps comprising a mask connection portion, an adjustment portion, and a length therebetween; and~~

~~a linking member between the first and second straps, the linking member comprising a first end and a second end, the linking member coupled to the adjustment portion of the first strap via a first buckle at the first end and coupled to the adjustment portion of the second strap via a second buckle at the second end.~~

~~10. The headgear of Claim 9, wherein at least one of the first and second straps comprises a tubular structure.~~

~~11. The headgear of Claim 9, wherein the at least one of the first and second straps comprises a semi-rigid substrate, and a tubular structure is configured to move over the semi-rigid substrate at a corresponding mask connection portion.~~

~~12. The headgear of Claim 9, wherein the at least one of the first and second straps comprises a hook and loop fastener configured to set the length of the first or second strap.~~

~~13. The headgear of any of Claims 9-12, wherein the linking member comprises a label.~~

~~14. The headgear of any of Claims 9-13, wherein the linking member comprises a overmoulded or printed grip.~~

~~15. The headgear of any of Claims 9-14, wherein the linking member comprises a plastic component.~~

~~16. The headgear of any of Claims 9-15, wherein the linking member comprises a degree of flexibility configured to allow the linking member to conform to a user's head.~~

~~17. The headgear of any of Claims 9-16, wherein the first or second buckle is a separate component from the linking member.~~

~~18. The headgear of Claim 17, wherein the first or second buckle is welded to the linking member.~~

~~19. The headgear of any of Claims 9-16, wherein the first or second buckle is integrally formed with the linking member.~~

~~20. The headgear of any of Claims 9-19, wherein the length of the first and second straps are adjusted by pulling the adjustment portions of the first and second straps.~~

~~21. A headgear for a respiratory mask, the headgear comprising:~~

~~a single tubular strap comprising a first end, a second end, and a length therebetween; and~~

~~a first and second substrate extending respectively in the first and second ends of the strap, wherein each of the first and second substrates comprises a corresponding locking geometry configured to secure the strap on the first or second substrate.~~

~~22. The headgear of Claim 21, wherein the strap comprises elastic, knitted fabric.~~

~~23. The headgear of Claim 21 or 22, wherein the first and second substrates comprise a semi-rigid moulded plastic.~~

~~24. The headgear of any of Claims 21-23, wherein for each of the first and second substrates, the locking geometry comprises an enlarged geometry on the substrate.~~

~~25. The headgear of any of Claims 21-23, wherein for each of the first and second substrates, the locking geometry comprises tabs or arms configured to catch on an inner portion of the strap.~~

~~26. The headgear of any of Claims 21-25, further comprising a corresponding hook at the first and second ends of the strap, wherein each corresponding hook is configured to attach the headgear to a mask and wherein for each strap, the length of the strap is configured to be adjusted by moving the strap over the locking geometry such that the strap bunches between the hook and the locking geometry.~~

~~27. A headgear for a respiratory mask, the headgear comprising:~~

~~a single tubular strap comprising a first strap end, a second strap end, and a length therebetween; and~~

~~a resilient core housed within the strap, wherein the resilient core comprises a first core end and a second core end.~~

~~28. The headgear of any of Claim 27, wherein each of the first strap end and the second strap end extends respectively beyond the first core end and the second core end of the resilient core, and passes through a corresponding connector configured to couple the headgear to a mask and, wherein the length of the strap is configured to be adjusted by moving each of the first and second strap ends through the corresponding loop of the corresponding connector.~~

~~29. The headgear of any of Claims 27-28, wherein resilient core is configured to extend around a back of a user's head.~~

~~30. The headgear of any of Claims 27-29, wherein resilient core is configured to extend forward of a user's ears and rearward of the mask.~~

~~31. The headgear of any of Claims 27-30, wherein resilient core comprises moulded plastic.~~

~~32. The headgear of any of Claims 27-31, wherein resilient core comprises a three-dimensional structure that passes below a user's eyes and above a user's ears.~~

~~33. A headgear for a respiratory mask, the headgear comprising:~~

~~a pair of straps adjustably coupled to each other; and~~

~~a buckle comprising a first end and a second end, wherein the buckle comprises an adjustment mechanism at each of the first and second ends to adjustably couple to a corresponding one of the pair of straps such that the pair of straps are adjustable coupled to each other, and wherein each adjustment mechanism comprises a pair of rotatable posts.~~

~~34. The headgear of Claim 33, wherein at least one of the pair of straps comprises elastic material.~~

~~35. The headgear of Claim 33, wherein at least one of the pair of straps comprises inelastic material.~~

9. The headgear of any of the preceding claims, wherein the glider portion has a first slot on a first side of the pivot connection and second slot on a second side of the pivot connection.

10. The headgear of any of the preceding claims, wherein the glider portion has a circular profile.

11. The headgear of Claim 10, wherein the glider portion comprises an inner surface, a substantially cylindrical side wall and a ring-shaped outer surface.

12. The headgear of Claim 11, wherein the inner surface comprises a substantially planar bearing surface that contacts a corresponding bearing surface on the strap attachment portion and forms a portion of the pivot connection.

13. The headgear of Claim 10, wherein the glider portion has a first slot on a first side of the pivot connection and second slot on a second side of the pivot connection through which the first or second strap extends radially across a diameter of the glider portion.

14. A respiratory mask assembly, comprising:

a respiratory mask;

a headgear comprising a first strap, a second strap, and a pair of buckles comprising a corresponding buckle for the first and second straps, each corresponding buckle comprising:

a glider portion;

a strap attachment portion; and

a pivot connection between the glider portion and the strap attachment portion,

wherein each of the first and second straps comprises a first end, a second end, and a length therebetween, wherein each of the first and second straps is connectable to the respiratory mask at the first end, is adjustably coupled to the corresponding buckle at the glider portion, and is fixedly coupled to the strap attachment portion of another buckle of the pair of buckles at the second end;

wherein each buckle is configured to move along the length of the first or second strap to adjust the size of the headgear; and

wherein the headgear is configured to be adapted between a first configuration and a second configuration, wherein the first configuration comprises portions of the first and second straps overlapping in a region between the pair of buckles and wherein the second configuration comprises the portions of the first and second straps bifurcating in the region between the pair of buckles and wherein the pair of buckles is configured to adjust the size of the headgear while in the second configuration.

15. The respiratory mask assembly of Claim 14, wherein the first or second strap comprises a tubular structure.

16. The respiratory mask assembly of Claim 14 or 15, wherein for at least one buckle, the glider portion includes at least one aperture through which the first or second strap passes.

17. The respiratory mask assembly of Claim 14 or 15, wherein for at least one buckle, the glider portion or the strap attachment portion comprise a circular profile and overlap such that the buckle forms a single circular profile.

18. The respiratory mask assembly of Claim 14 or 15, wherein for at least one buckle, the glider portion and the strap attachment portion comprise a semi-circular profile on one end and a rectangular profile on another end, and wherein for the at least one buckle,

the pivot connection is located at the semi-circular profile ends of the glider portion and the strap attachment portion, and wherein the semi-circular profile ends overlap.

19. The respiratory mask assembly of any one of Claims 14 to 18, wherein at least one of the first and second straps is overmoulded to the strap attachment portion of the other buckle or wherein at least one of the first and second straps is welded to the strap attachment portion of the other buckle.

20. The respiratory mask assembly of Claim 14 or 15, wherein for at least one buckle, the pivot connection comprises a snap-fit dome and a ring.

21. The respiratory mask assembly of any one of Claims 14 to 20, wherein the glider portion has a first slot on a first side of the pivot connection and second slot on a second side of the pivot connection.

22. The respiratory mask assembly of Claim 14, wherein the glider portion has a circular profile.

23. The respiratory mask assembly of Claim 22, wherein the glider portion comprises an inner surface, a substantially cylindrical side wall and a ring-shaped outer surface.

24. The respiratory mask assembly of Claim 23, wherein the inner surface comprises a substantially planar bearing surface that contacts a corresponding bearing surface on the strap attachment portion and forms a portion of the pivot connection.

25. The respiratory mask assembly of Claim 22, wherein the glider portion has a first slot on a first side of the pivot connection and second slot on a second side of the pivot connection through which the first or second strap extends radially across a diameter of the glider portion.