CLAIMS

1. A patient interface for sealed delivery of a flow of air at a continuously positive pressure with respect to ambient air pressure to an entrance to the patient's airways including at least entrance of a patient's nares, wherein the patient interface is configured to maintain a therapy pressure in a range of about 4 cmH2O to about 30 cmH2O above ambient air pressure in use, throughout the patient's respiratory cycle, while the patient is sleeping, to ameliorate sleep disordered breathing, the patient interface comprising:

a positioning and stabilising structure, comprising:

at least one strap including at least two back straps and a pair of side strap portions, each of the pair of side strap portions having an opening;

a split region defined between the at least two back straps; and

a pair of rigidiser arms, each of the pair of rigidiser arms inserted through the opening of a corresponding one of the pair of side strap portions; and

a seal-forming structure configured to provide the flow of air to the entrance to the patient's airways, the seal-forming structure comprising any one from the group consisting of: a nasal cannula, nasal prongs, and a respiratory mask covering nose and/or mouth of a patient,

wherein each of the at least two back straps are symmetrical and non-independently adjustable such that the at least two back straps naturally center on respective sides of the crown of the head of the patient, and

wherein respective ends of the at least two back straps converge at each of the pair of side strap portions.

2. A patient interface according to claim 1, wherein the at least one strap comprises a warp-knitted material.

3. A patient interface according to claim 1, wherein the at least one strap comprises a woven material.

4. A patient interface according to any one of claims 1 to 3, wherein the split region initiates at a distal end of each of the at least two back straps.

5. A patient interface according to claim 4, wherein each distal end comprises a reinforced portion adjacent to the split region.

6. A patient interface according to any one of claims 1 to 5, wherein the at least one strap is more stretchable along its longitudinal axis than its lateral axis.

7. A patient interface according to any one of claims 1 to 6, wherein the opening is located at a proximal end of each of the pair of side strap portions.

8. A patient interface for sealed delivery of a flow of air at a continuously positive pressure with respect to ambient air pressure to an entrance to the patient's airways including at least entrance of a patient's nares, wherein the patient interface is configured to maintain a therapy pressure in a range of about 4 cmH2O to about 30 cmH2O above ambient air pressure in use, throughout the patient's respiratory cycle, while the patient is sleeping, to ameliorate sleep disordered breathing, the patient interface comprising:

a seal-forming structure configured to provide the flow of air to the entrance to the patient's airways, the seal-forming structure comprising any one from the group consisting of: a nasal cannula, nasal prongs, and a respiratory mask covering nose and/or mouth of a patient,

a positioning and stabilising structure, comprising:

a pair of rigidiser arms;

a pair of side straps, each of the pair of side straps including a hollow sleeve for receiving a corresponding one of the pair of rigidiser arms and an opening for receiving a corresponding one of the pair of rigidiser arms into the hollow sleeve; and

a pair of back straps positioned between each of the pair of side straps, the pair of back straps configured to pass behind a user's head,

wherein the pair of side straps and the pair of back straps comprise a unitary piece of material.

9. A patient interface according to claim 8, wherein the unitary piece of material comprises a warp-knitted material.

10. A patient interface according to claim 8, wherein the unitary piece of material comprises a woven material.

11. A patient interface according to claim 9 or 10, further comprising a split region defined between the pair of back straps.

12. A patient interface according to claim 11, wherein the split region initiates at a distal end of each of the pair of back straps.

13. A patient interface according to claim 12, wherein each distal end comprises a reinforced portion adjacent to the split region.

14. A patient interface according to any one of claims 8 to 13, wherein each of the pair of side straps and each of the pair of back straps is more stretchable along its longitudinal axis than its lateral axis.

15. A patient interface according to any one of claims 8 to 14, wherein the at least one opening is located at a proximal end of each of the pair of side straps.

16. A patient interface for sealed delivery of a flow of air at a continuously positive pressure with respect to ambient air pressure to an entrance to the patient's airways including at least entrance of a patient's nares, wherein the patient interface is configured to maintain a therapy pressure in a range of about 4 cmH2O to about 30 cmH2O above ambient air pressure in use, throughout the patient's respiratory cycle, while the patient is sleeping, to ameliorate sleep disordered breathing, the patient interface comprising:

a positioning and stabilising structure, comprising:

a strap including at least two back straps, said at least two back straps being adjustably separable to adjust a tension force of the strap; and

a rigidiser arm configured to be inserted within a portion of the strap; and

a seal-forming structure configured to provide the flow of air to the entrance to the patient's airways, the seal-forming structure comprising any one from the group

consisting of: a nasal cannula, nasal prongs and a respiratory mask covering nose and/or mouth of the patient,

wherein the tension force of the strap is adjustable by varying the distance between said at least two back straps.

17. A patient interface according to claim 16, wherein the strap comprises a warp-knitted material.

18. A patient interface according to claim 16, wherein the strap comprises a woven material.

19. A patient interface according to any one of claims 16 to 18, further comprising a split region defined between the at least two back straps.

20. A patient interface according to claim 19, wherein the split region initiates at a distal end of each of the at least two back straps.

21. A patient interface according to claim 20, wherein each distal end comprises a reinforced portion adjacent to the split region.

22. A patient interface according to any one of claims 16 to 21, wherein the strap is more stretchable along its longitudinal axis than its lateral axis.