CLAIMS

1. Headgear for securing a patient interface to patient, the headgear comprising:

    a base layer forming a body of the headgear; and

    a headband region;

    wherein the headband region comprises an outer engagement layer that at least partly overlaps a lower portion of the base layer, the outer engagement layer being fused to an underlying portion of the base layer

    wherein the headband region comprises areas of fused material and areas of unfused material, the non-fused areas at least in part defining a connection zone for releasably securing a connector to the headgear.

2. Headgear as claimed in claim 1, wherein the unfused regions form a raised engagement surface.

3. Headgear as claimed in claim 1 or 2, wherein the fused regions form depressions.

4. Headgear as claimed in any one of claims 1 to 3, wherein the outer engagement layer is fused to the underlying portion of the base layer by welding.

5. Headgear as claimed in any one of claims 1 to 4, wherein the outer engagement layer is fused to the underlying portion of the base layer across a majority of the outer engagement layer.

6. Headgear as claimed in any one of claims 1 to 5, wherein the base layer comprises a single panel of material.

7. Headgear as claimed in any one of claims 1 to 6, wherein the outer engagement layer comprises a single panel of material.

8. Headgear as claimed in any one of claims 1 to 7, wherein the headband region comprises a pair of over-ear regions, each over-ear region shaped to at least partly cover the patient’s ears.

9. Headgear as claimed in claim 8, wherein each over-ear region is configured to provide a connection zone.

10. Headgear as claimed in claim 8, wherein each over-ear region comprises a lobe defined by a rounded, downwardly projecting lower edge of the headband region.

11. Headgear as claimed in any one of claims 8 to 10, wherein the headband region further comprises an extension portion extending from one or both over-ear portions.

12. Headgear as claimed in any one of claims 8 to 11, comprising a bridging section between the pair of over-ear portions, the bridging section having increased stretch relative to the over-ear portions.

13. Headgear as claimed in any one of the preceding claims, wherein the headband region is configured to wrap around the head of the patient such that opposing end portions of the headband overlap and secure to each other.

14. Headgear as claimed in any one of the preceding claims, comprising an end fixture securing a top edge of the headgear body together at a securement point.

15. Headgear as claimed in claim 14, comprising an adjustment device configured to be positioned between the headband region and the end fixture, wherein the body of the headgear passes through the adjustment device, and the adjustment device is selectively slidable along the body of the headgear, towards and away from the headband region, to adjust the wearable length of the headgear.

16. Headgear as claimed in claim 15, wherein the adjustment device is adjustable between a locked state, and an adjustment state in which the adjustment device is slidable along the body of the headgear.

17. Headgear as claimed in any one of the preceding claims, wherein the headgear is a bonnet.

18. Headgear as claimed in any one of the preceding claims, wherein the areas of fused material exhibit different stretch to the areas of unfused material.

19. Headgear as claimed in claim 18, wherein the shape and/or orientation of the fused areas is configured to reduce stretch of a respective region of the headband in one or more directions.

20. Headgear as claimed in any one of the preceding claims, wherein the patient interface comprises a respiratory mask or nasal cannula.