CLAIMS

1. A nasal cannula interface comprising a first prong and a second prong, the prongs configured to cause an asymmetrical flow of gases at a patient's nares, and a sensor configured to measure, optionally at a patient's mouth and/or nose, at least one patient parameter; wherein the nasal cannula interface further comprises:

a first side arm, the first side arm comprising a sensor recess,

a gases inlet conduit configured to convey a flow of breathable gases to a patient through a main body and the first and second prongs of the nasal cannula interface, and

a clip attachable to the gases inlet conduit, the clip configured to retain the patient sensor within a sensor mount of the clip,

wherein at least a portion of the sensor mount is insertable into the sensor recess of the first side arm such that when the nasal cannula interface is in use the patient sensor contacts the patient's face.

2. The nasal cannula interface of claim 1, wherein the first prong has a first shape and the second prong has a second shape.

3. The nasal cannula interface of one of claims 1 to 2, wherein the first prong has a smaller inner cross-sectional area in a direction transverse to gases flow through the first prong than a corresponding inner cross-sectional area of the second prong in a direction transverse to gases flow through the second prong.

4. The nasal cannula interface of claim 3, wherein the cross-sectional area of the first prong which is smaller than the cross-sectional area of the second prong are taken at corresponding locations on the first and second prongs.

5. The nasal cannula interface of claim 3 or 4, wherein the cross-sectional area of the first prong and second prongs is taken at respective proximal openings of the prongs.

6. The nasal cannula interface of one of claims 1 to 5, wherein the first and second prongs are configured such that at least about 60% of a total volumetric flow rate of gases flow dispensed by the nasal cannula is delivered out of the second prong.

7. The nasal cannula interface of one of claims 1 to 6, wherein the patient parameter is a measure of blood oxygenation of the patient.

8. The nasal cannula interface of one of claims 1 to 7, comprising a head securement assembly for placing and maintaining the nasal cannula in the correct operational position and a gases inlet conduit forming a fluid or gases connection between an outlet end of an inspiratory conduit and the nasal cannula to allow fluids or gases to flow between the inspiratory conduit and the nasal cannula.

9. The nasal cannula interface of one of claims 1 to 8, wherein the sensor is wireless and/or wired.

10. The nasal cannula interface of one of claims 1 to 9 and an accessory for the same, the accessory comprising a sensor cavity configured to retain the sensor and at least one securement feature, the at least one securement feature configured to connect the accessory to the nasal cannula interface, optionally to a strap of the nasal cannula interface.

11. The nasal cannula interface of one of claims 1 to 9 and a component for the same, the nasal cannula interface component comprising a sensor cavity configured to retain the sensor, a wire cavity, the wire cavity configured to provide a pathway for one or more wires to the sensor cavity, and a main body connection feature, the main body connection feature configured to connect to a main body of the nasal cannula interface, the main body connection feature being located at a first end of the nasal cannula interface component, and the nasal cannula interface further comprising a strap.

12. The nasal cannula interface of claim 10 or 11, wherein the sensor cavity is arranged to orient the sensor to be in contact with a patient.

13. The nasal cannula interface of claim 12, wherein the sensor comprises a light transducer, optionally an infrared transducer or a red-light transducer, and/or a light source, optionally an infrared source or a red light source, wherein the sensor cavity is optionally arranged to orient the sensor such that the light transducer and/or light source faces towards the patient.

14. A respiratory apparatus comprising a flow source for providing a flow of gas and the nasal cannula interface according to one of claims 1 to 13.