

STRAP ASSEMBLY, STRAP CONNECTOR, HEADGEAR, HEADGEAR ASSEMBLY,
METHOD OF FORMING HEADGEAR, TUBULAR CONNECTOR, PATIENT INTERFACE
AND METHOD OF JOINING STRAPS

INCORPORATION BY REFERENCE TO ANY PRIORITY APPLICATIONS

[0001] This application is related to and claims priority from U.S. Provisional Patent Application No. 62/309,400, U.S. Provisional Patent Application No. 62/323,459 and U.S. Provisional Patent Application No. 62/364,767, U.S. Provisional Patent Application No. 62/401,462, U.S. Provisional Patent Application No. 62/468,915, U.S. Provisional Patent Application No. 62/323,489, and U.S. Provisional Patent Application No. 62/327,942, the entireties of which are hereby incorporated by reference herein and made a part of the present disclosure.

BACKGROUND

Technical Field

[0002] The present disclosure generally relates to headgear for use in combination with a breathing apparatus. More particularly, the present disclosure relates to the forming of a three-dimensional headgear, portions thereof and a process for moulding such headgear. Further applications of the moulding process are also disclosed. The present disclosure also generally relates to a full face under nose patient interface having a closed-loop headgear and various components of a patient interface.

Description of the Related Art

[0003] Patient interfaces are used to provide respiratory therapy to the airways of a person suffering from any of a number of respiratory illnesses or conditions. Such therapies may include but are not limited to continuous positive airway pressure (CPAP) therapy and non-invasive ventilation (NIV) therapy.

[0004] CPAP therapy can be used to treat obstructive sleep apnea (OSA), which is a condition in which a patient's airway intermittently collapses, during sleep, preventing the patient from breathing for a period of time. The cessation of breathing, or apnea, results in the patient awakening. Repetitive and frequent apneas may result in the patient rarely achieving a full and restorative night's sleep.