APPARATUS FOR USE IN A RESPIRATORY SUPPORT SYSTEM

TECHNICAL FIELD

[0001] The present disclosure generally relates to a connector to be provided at a terminal end of a conduit. More particularly, the present disclosure relates to a releasable, yet secure, connector to be provided at the terminal end of a medical breathing conduit forming a part of a medical breathing circuit, for a releasable, yet secure, connection to be made between an end of the conduit with another device of the circuit (e.g. a humidifier or a flow generator or another conduit).

BACKGROUND

[0002] Alternative forms of connectors at the end of a conduit, such as a medical breathing conduit, for a connection to be made with a device forming a part of a breathing circuit, such as a medical breathing circuit, are desirable.

[0003] In particular, provision of such connectors which provide for a releasable yet secure connection facilitate particular advantages. For example, a secure connection between the terminal end of a conduit and a device (such as a humidifier or a flow generator, such as a blower), or between two conduits, gives an operator or user (and the patient) reassurance of the delivery of a desired or intended respiratory therapy.

SUMMARY

[0004] It is an object of certain embodiments disclosed herein to provide a connector for use in a medical breathing circuit or respiratory support system that will at least go some way towards improving on the above or which will at least provide the public or the medical profession with a useful choice.

[0005] In a first aspect, there is provided a connector for a component of a medical breathing circuit, the connector comprising: an inner body and an outer body, the inner body and the outer body being separate components; the inner body having a retention mechanism configured to engage a second connector; and an outer body configured to at least partly surround the inner body, the outer body having a tube engagement mechanism, wherein the connector further comprises at least one electrical contact.

[0006] In one embodiment, the inner body further comprises a sealing mechanism configured to provide a seal between the inner body and the other connector.

[0007] In one embodiment, at least part of the inner body comprises a first material and at least part of the outer body comprises a second material.