

- at least one second sealing lip, wherein the second sealing lip is configured to surround the medical device, wherein the second sealing lip is spaced apart from the first sealing lip.

The flexible envelope further comprises at least one envelope contacting sealing end. The envelope contacting sealing end is fixedly connectable to the opposing second side of the flexible envelope. The second sealing lip surrounds the first sealing lip.

The term “jacket” as used herein is a broad term and is to be given its ordinary and customary meaning to a person of ordinary skill in the art and is not to be limited to a special or customized meaning. The term specifically may refer, without limitation, to an arbitrary object which may be placed around at least a part of another element. Specifically, the jacket according to the invention may be configured to be laid over or to be wrapped around the other object and in particular around the extremity. Thus, the jacket may serve as a covering, specifically as a protective covering shielding the part of the other element from an outer environment. The jacket may be configured to be mounted on the other element and to cover at least one surface of the other element. Specifically, the jacket may be configured to be in direct contact with the other element. Thus, the jacket may also be referred to as a cover, a covering or a coat.

The term “sealing” as used herein is a broad term and is to be given its ordinary and customary meaning to a person of ordinary skill in the art and is not to be limited to a special or customized meaning. The term specifically may refer, without limitation, to an object or a process of concealing at least one opening and/or of fully or partially surrounding one or more objects to be sealed off from environmental influences such as moisture, dust and/or dirt. The term “watertight sealing” as used herein is a broad term and is to be given its ordinary and customary meaning to a person of ordinary skill in the art and is not to be limited to a special or customized meaning. The term specifically may refer, without limitation, to an object or to a process of concealing at least one opening and/or of fully or partially surrounding one or more objects to be sealed off from humidity and/or water such that a penetration of water and/or humidity into the opening and/or into the object is prevented or at least reduced to a large extent. Preferably, the sealing according to the invention is a sealing which prevents water from contacting the medical device during use of the jacket if the water

Claims

1. A jacket for watertight sealing a medical device, wherein the jacket comprises at least one flexible envelope, wherein the flexible envelope comprises at least one first side and at least one opposing second side, wherein the first side comprises:
 - at least one first sealing lip, wherein the first sealing lip is configured to surround the medical device; and
 - at least one second sealing lip, wherein the second sealing lip is configured to surround the medical device, wherein the second sealing lip is spaced apart from the first sealing lip;wherein the flexible envelope further comprises at least one envelope contacting sealing end, wherein the envelope contacting sealing end is fixedly connectable to the opposing second side of the flexible envelope, wherein the second sealing lip surrounds the first sealing lip.
2. The jacket according to claim 1, wherein the flexible envelope comprises at least one low elasticity section.
3. The jacket according to claim 1 or 2, wherein the medical device has a medical device height h_{md} , wherein, in a compressed state of the first sealing lip, the first sealing lip has a first sealing lip height, wherein the first sealing lip height is larger than the medical device height h_{md} .
4. The jacket according to any one of claims 1 to 3, wherein the second sealing lip comprises at least one first portion and at least one second portion.
5. The jacket according to claim 4, wherein the first portion at least partially runs along an outer edge of the flexible envelope.
6. The jacket according to claim 4 or 5, wherein first portion ends of the first portion respectively contact second portion ends of the second portion, wherein the

first portion ends of the first portion are located on opposing sides relative to a longitudinal axis of the flexible envelope.

- 5 7. The jacket according to any one of claims 4 to 6, wherein the first portion is a skin contacting portion, wherein the second portion is an interlocking portion configured to contact the opposing second side of the flexible envelope and configured to be arranged next to the first portion thereby establishing a form-fit connection.
- 10 8. The jacket according to any one of claims 1 to 7, wherein the envelope contacting sealing end is made of a material which is more elastic than a material of a remaining portion of the flexible envelope.
- 15 9. The jacket according to any one of claims 1 to 8, wherein one or both of the first sealing lip and the second sealing lip are one or both of inflatable sealing lips, compressible sealing lips.
- 20 10. The jacket according to any one of claims 1 to 9, wherein the first side at least partially comprises at least one adhesive material.
- 25 11. The jacket according to any one of claims 1 to 10, wherein the flexible envelope is at least partially made of at least one transparent material.
- 30 12. The jacket according to any one of claims 1 to 11, wherein the first side is at least partially colored with at least one first color, wherein the opposing second side is at least partially colored with at least one second color, wherein the first color is different from the second color.
- 30 13. The jacket according to any one of claims 1 to 12, wherein the jacket additionally comprises at least one humidity sensor.

14. A method for watertight sealing a medical device, the method comprising the following steps:

a) mounting at least one medical device on a skin site of an extremity of a user;

5 b) placing the jacket according to any one of claims 1 to 13 onto the skin site such that the first sealing lip and the second sealing lip surround the medical device; and

10 c) wrapping the flexible envelope around the extremity and fixedly connecting the envelope contacting sealing end to the opposing second side of the of flexible envelope.