Claims

1. A body-wearable medical device (1) comprising

a medical device housing (18) comprising a transcutaneous element (2) that is configured for being at least partially inserted into a patient's body (3) at an insertion site (4) during use of the body-wearable medical device (1), and

a base portion (5) that is configured for reversibly attaching the body-wearable medical device housing (18) during its use to a patient's skin,

wherein the base portion (5) comprises a first side (6a) that during use of the body-wearable medical device (1) faces the patient's body (3) and that comprises an adhesive (7) for adhering the body-wearable medical device housing (18) to the patient's skin, and

wherein the base portion (5) on its first side (6a) further comprises a superabsorbent substance (8) and at least one fluid channel, the at least one fluid channel (9) being configured to guide bodily fluid from the insertion site (4) to the superabsorbent substance (8).

2. The body-wearable medical device (1) according to claim 1, wherein the superabsorbent substance (8) at least partially circumscribes the transcutaneous element (2).

3. The body-wearable medical device (1) according to any claim 1 or 2, wherein the superabsorbent substance (8) forms an enclosure on the first side (6a) of the base portion (5), wherein the superabsorbent substance (8) circumscribes the transcutaneous element (2).

4. The body-wearable medical device (1) according to any one of claims 1 to 3, wherein the superabsorbent substance (8) on the first side (6a) of the base portion (5) forms a discontinuous enclosure by having multiple enclosure segments (10) that are displaced from each other along a first virtual enclosure (12).

5. The body-wearable medical device (1) according to any one of claims 1 to 4, wherein the superabsorbent substance (8) on the first side (6a) of the base portion (5) forms a continuous or discontinuous inner enclosure and a continuous or discontinuous outer enclosure.

6. The body-wearable medical device (1) according to any one of claims 1 to 5, wherein the superabsorbent substance (8) on the first side (6a) of the base portion (5) forms a discontinuous inner enclosure having multiple inner enclosure segments (10) and a discontinuous outer enclosure having multiple outer enclosure segments (11), and wherein the multiple inner enclosure segments (10) and the multiple outer enclosure segments (11)

are alternately arranged with respect to an angular position relative to the transcutaneous element (2) along a first virtual enclosure (12) and along a second virtual enclosure (13).

7. The body-wearable medical device (1) according to any one of claims 1 to 6, wherein the base portion (5) further comprises a septum (13) that is configured for being pierced by the transcutaneous element (2) during use of the body-wearable medical device (1).

8. The body-wearable medical device (1) according to any one of claims 1 to 7, wherein the first side (6a) of the base portion (5) further comprises an outer sealing element (14) that circumscribes the superabsorbent substance (8) on a side of the superabsorbent substance (8) facing away from the transcutaneous element (2).

9. The body-wearable medical device (1) according to claim 8, wherein the outer sealing element (14) is formed by or comprise a silicone structure that at least partially projects away from the first side (6a) of the base portion (5) and/or is integrated in the first side (6a) of the base portion, such that, during use of the body-wearable medical device (1), the silicone structure is in contact with the base portion (5) and the skin of the user.

10. The body-wearable medical device (1) according to any one of claims 1 to 9, wherein the first side (6a) of the base portion (5) further comprises an inner sealing element (15) on a side of the superabsorbent substance (8) facing the transcutaneous element (2).

11. The body-wearable medical device (1) according to claim 10, wherein the inner sealing element (15) is formed by or comprise a silicone structure that at least partially projects away from the first side (6a) of the base portion (5) and/or is integrated in the first side (6a) of the base portion, such that, during use of the body-wearable medical device (1), the silicone structure is in contact with the base portion (5) and the skin of the user.

12. The body-wearable medical device (1) according to any one of claims 1 to 11, wherein the first side (6a) of the base portion (5) comprises a plaster (17) that carries the adhesive (7) for attaching the body-wearable medical device (1) to a patient’s body (3).

13. The body-wearable medical device (1) according to any one of claims 1 to 12, wherein each of the inner enclosure segments (10) and outer enclosure segments (11) is connected to at least one of the at least one fluid channel (9).