forgets to pack extra insulin there is a risk that the pump's insulin reservoir runs empty and the patient cannot refill the reservoir thus runs the risk to interrupt the insulin therapy which may lead to hyperglycemia. If in another scenario, the patient forgets to carry a carbohydrate containing foodstuff such as a sugar pack or solution, in the event of a hypoglycemic situation the patient is not able to treat that condition by consuming carbohydrates so as to raise the blood level to a normal level. This, in turn, may lead to unconsciousness or even death. Thus, there is a need to increase the safety of the disease management and to alleviate the burden on the patients to remember carrying extra articles important for the disease management.

Accordingly, it is an object of the present invention to reduce the burden of the patient to compose the packages to be carried along by a patient when leaving home.

According to a first aspect of the present invention, there is provided a medical device system comprising a body-wearable medical device being an insulin pump or a continuous glucose measurement device or a handheld diabetes management device, wherein the medical device system comprises a disposable container comprising a reservoir volume configured for storing a foodstuff or a drug, and a tamper evident closure which seals an opening in the disposable container, wherein the opening provides access to the reservoir volume wherein the disposable container comprises a body-wearable medical device fastener configured for detachable fastening the disposable container to the body-wearable medical device, and/or the body-wearable medical device comprises a disposable container fastener configured for detachable fastening the body-wearable medical device to the disposable container.

According to a second aspect of the present invention, there is provided a disposable container comprising a reservoir volume configured for storing a foodstuff or a drug, a tamper evident closure which seals an opening in the disposable container, the opening provides access to the reservoir volume, wherein the disposable container comprises a body-wearable medical device fastener configured for detachable fastening the disposable container to a body-wearable medical device, wherein the body-wearable medical device is an insulin pump or a continuous glucose measurement device, or a handheld diabetes management device.

According to a third aspect of the present invention, there is provided A body-wearable medical device comprising a disposable container fastener configured for detachable fastening a disposable

container to the body-wearable medical-device, wherein the body-wearable medical device being an insulin pump or a continuous glucose measurement device or a handheld diabetes management device.

At least one of the above objects is solved by a medical device system as outlined above, wherein the disposable container comprises a body-wearable medical device fastener configured for detachable fastening the disposable container to the body-wearable medical device and/or the body-wearable medical device comprises a disposable container fastener configured for detachable fastening the body-wearable medical device to the disposable container.

The disposable container contains an amount of a drug or a foodstuff, which can be administered by the patient, if needed. Accordingly, the disposable container comprises a reservoir volume configured for storing a foodstuff or a drug, and having a tamper evident closure. The tamper evident closure seals an opening, which, when opened, provides access to the reservoir volume such that the drug or foodstuff can be withdrawn from the reservoir volume. The tamper evident closure is used to indicate whether or not the opening has been tampered with, i.e. if the seal provided by the tamper evident closure has been broken. Accordingly, once opened the tamper evident closure prevents to reseal the container and preferably also prevents to reuse of the container. It may allow the user to readily and safely determine that the disposable container has been opened and thus helps to prevent use of a potentially contaminated foodstuff or drug. After withdrawal of the drug or the foodstuff from the reservoir volume of the disposable container, the disposable container is disposed. The opening for withdrawing foodstuff or drug from the reservoir volume can be formed by one or more than one opening, such as by at least 2, at least 3, at least 4 or at least 5 openings.

## Claims

1. A ~~M~~medical device system ~~(1)~~ comprising
   - a body-wearable medical device ~~(2)~~ being an insulin pump or a continuous glucose measurement device or a handheld diabetes management device, wherein the medical device system comprises ~~and~~
   - ~~a~~ a disposable container ~~(3)~~ comprising
     - a reservoir volume ~~(4)~~ configured for storing a foodstuff or a drug, ~~-~~ and
     - a tamper evident closure ~~(5)~~ which seals an opening ~~(6)~~ in the disposable container ~~(3)~~, wherein the opening ~~(6)~~ provides access to the reservoir volume ~~(4)~~
   - wherein the disposable container ~~(3)~~ comprises a body-wearable medical device fastener ~~(7)~~ configured for detachable fastening the disposable container ~~(3)~~ to the body-wearable medical device ~~(2)~~, and/or
   - the body-wearable medical device ~~(2)~~ comprises a disposable container fastener ~~(8)~~ configured for detachable fastening the body-wearable medical device ~~(2)~~ to the disposable container ~~(3)~~.

2. The ~~M~~medical device system ~~(1)~~ according to claim 1, wherein the body-wearable medical device fastener ~~(7)~~ is or comprises a mechanical, non-adhesive medical device fastener ~~(7a)~~ and/or the disposable container fastener ~~(8)~~ is or comprises a mechanical, non-adhesive disposable container fastener ~~(8a)~~.

3. The ~~M~~medical device system ~~(1)~~ according to claim 1 or 2, wherein the body-wearable medical device fastener ~~(7)~~ is or comprises a medical device bracket ~~(7b)~~ configured for at least partially embracing the body-wearable medical device ~~(2)~~ and/or the disposable container fastener ~~(8)~~ is or comprises a disposable container bracket ~~(8b)~~ configured for at least partially embracing the disposable container ~~(3)~~.

4. The ~~M~~medical device system ~~(1)~~ according to any one of claims 1 to 3, wherein the disposable container ~~(3)~~ comprises a circumferential edge ~~(12)~~, which, in a state of the disposable container ~~(3)~~ being fastened to the body-wearable medical device ~~(2)~~ circumferentially contacts the body-wearable medical device ~~(2)~~.

5. The ~~M~~medical device system ~~(1)~~ according to any one of claims 1 to 4, wherein the disposable container fastener ~~(8)~~ and the body-wearable medical device fastener ~~(7)~~ are configured to

interoperate to detachably fasten the disposable container ~~(3)~~ to the body-wearable medical device ~~(2)~~.

6. The ~~M~~medical device system ~~(1)~~ according to claim 5, wherein the disposable container fastener ~~(8)~~ and the body-wearable medical device fastener ~~(7)~~ form a pair of hook-and-loop fastener or a pair of hook-and-eye fastener or a latch fastener or clip fastener.

7. The ~~M~~medical device system ~~(1)~~ according to any one of claims 1 to 6, wherein the reservoir volume ~~(4)~~ is up to 20 $cm^3$, alternatively the reservoir volume ~~(4)~~ is up to 15 $cm^3$, further alternatively the reservoir volume ~~(4)~~ is equal to 13 $cm^3$.

8. The ~~M~~medical device system ~~(1)~~ according to any one of claims 1 to 7, wherein the disposable container ~~(3)~~ comprises a rip-open venting closure ~~(9)~~ sealing a venting opening ~~(10)~~ of the reservoir volume ~~(4)~~.

9. A ~~D~~disposable container ~~(3)~~ comprising
- a reservoir volume ~~(4)~~ configured for storing a foodstuff or a drug,
- a tamper evident closure ~~(5)~~ which seals an opening ~~(6)~~ in the disposable container ~~(3)~~, the opening ~~(6)~~ provides access to the reservoir volume ~~(4)~~,
- wherein the disposable container ~~(3)~~ comprises a body-wearable medical device fastener ~~(7)~~ configured for detachable fastening the disposable container ~~(3)~~ to a body-wearable medical device ~~(2)~~, wherein the body-wearable medical device is an insulin pump or a continuous glucose measurement device, or a handheld diabetes management device.

10. The ~~D~~disposable container ~~(3)~~ according to claim 9, wherein the body-wearable medical device fastener ~~(7)~~ is or comprises a mechanical, non-adhesive medical device fastener ~~(7a)~~.

11. The ~~D~~disposable container ~~(3)~~ according to claim 9 or 10, wherein the body-wearable medical device fastener ~~(7)~~ is or comprises a medical device bracket ~~(7b)~~ configured for at least partially embracing the body-wearable medical device ~~(2)~~.

12. The ~~D~~disposable container ~~(3)~~ according to any one of claims 9 to 11, wherein the disposable container ~~(3)~~ comprises a circumferential edge, which, in a state of the disposable container ~~(3)~~ fastened to the body-wearable medical device ~~(2)~~, circumferentially contacts the body-wearable medical device ~~(2)~~.

13. A ~~B~~body-wearable medical device ~~(2)~~ comprising a disposable container ~~(3)~~ fastener configured for detachable fastening a disposable container ~~(3)~~ to the body-wearable medical-device ~~(2)~~, wherein the body-wearable medical device being an insulin pump or a continuous glucose measurement device or a handheld diabetes management device.

~~14. Body-wearable medical device (2) according to claim 13, characterized by being an insulin pump or a continuous glucose measurement device or a handheld diabetes management device.~~

1~~4~~5. The ~~B~~body-wearable medical device ~~(2)~~ according to claim 13 ~~or 14~~, wherein the disposable container fastener ~~(8)~~ is or comprises a mechanical, non-adhesive disposable container fastener ~~(8a)~~.