
ANNEX A

Claims

1. A glucose measuring system, the system comprising:

an on-skin device configured to measure, process and store glucose sensor data, the on-skin device including

a mounting unit (14) adapted for mounting on a skin of a host and

an electronics unit (16) connected to the mounting unit (14), the electronics unit (16) configured to perform the processing and storing; and

a sensor for measuring a level of glucose in the interstitial fluid of the host, the sensor comprising an in vivo portion for insertion through the skin at an exit site of the host, said in vivo portion having a working electrode and at least one additional electrode that functions as a reference electrode, and an ex vivo portion that remains above the host's skin and is connected to the mounting unit (14), wherein the sensor is operably connected to the electronics unit (16); and

the system further comprising a receiver (158) that is a portable computer device remote from the on-skin device for receiving and processing the glucose sensor data, and displaying the processed glucose sensor data on a user interface of the receiver (158),

characterised in that the on-skin device is configured to transmit stored glucose sensor data when requested by the receiver (158), wherein the receiver (158) requests the on-skin device to transmit the requested stored glucose data when the receiver (158) is held in close proximity to the on-skin device, wherein the requesting and transmission use inductive coupling data transmission.

7. A method of measuring glucose concentration of a host, the method comprising:

measuring, processing and storing glucose sensor data using an on-skin device, the on-skin device including

a mounting unit (14) adapted for mounting on a skin of a host and

an electronics unit (16) connected to the mounting unit (14), the electronics unit (16) configured to perform the processing and storing; and

a sensor for measuring a level of glucose in the interstitial fluid of the host, the sensor comprising an in vivo portion for insertion through the skin at an exit site of the host, said in vivo portion having a working electrode and at least one additional electrode that functions as a reference electrode, and an ex vivo portion that remains above the host's skin and is connected to the mounting unit (14), wherein the sensor is operably connected to the electronics unit (16);

characterised by:

requesting, using a receiver (158) that is a portable computing device remote from the on-skin device, glucose sensor data stored on the on-skin device when the receiver (158) is held in close proximity to the on-skin device; and

transmitting, using the on-skin device, the requested stored glucose sensor data, wherein the requesting and transmission use inductive coupling data transmission.

ANNEX B

Claim 1

1. A glucose measuring system, the system comprising:

an on-skin device configured to measure, process and store glucose sensor data, the on-skin device including

a mounting unit (14) adapted for mounting on a skin of a host and

an electronics unit (16) connected to the mounting unit (14), the electronics unit (16) configured to perform the processing and storing; and

a sensor for measuring a level of glucose in the host, the sensor comprising an in vivo portion for insertion through the skin at an exit site of the host and an ex vivo portion connected to the mounting unit (14), wherein the sensor is operably connected to the electronics unit (16); and

the system further comprising a receiver (158) that is a personal digital assistant, cell phone, or other more general purpose portable computer device remote from the on-skin device for receiving and processing the glucose sensor data, and displaying the processed glucose sensor data on a user interface of the receiver (158),

characterised in that the on-skin device is configured to transmit stored glucose sensor data when requested by the receiver (158), wherein the receiver (158) requests the on-skin device to transmit the requested stored glucose data when the receiver (158) is held in close proximity to the on-skin device, wherein the requesting and transmission use inductive coupling data transmission.

7. A method of measuring glucose concentration of a host, the method comprising:

measuring, processing and storing glucose sensor data using an on-skin device, the on-skin device including

a mounting unit (14) adapted for mounting on a skin of a host and

an electronics unit (16) connected to the mounting unit (14), the electronics unit (16) configured to perform the processing and storing; and

a sensor for measuring a level of glucose in the host, the sensor comprising an in vivo portion for insertion through the skin at an exit site of the host and an ex vivo portion connected to the mounting unit (14), wherein the sensor is operably connected to the electronics unit (16);

characterised by:

requesting, using a receiver (158) that is a personal digital assistant, cell phone, or other more general purpose portable computing device remote from the on-skin device, glucose sensor data stored on the on-skin device when the receiver (158) is held in close proximity to the on-skin device; and

transmitting, using the on-skin device, the requested stored glucose sensor data, wherein the requesting and transmission use inductive coupling data transmission.

ANNEX C

Claims

1. A glucose measuring system, the system comprising:

an on-skin device configured to measure, process and store glucose sensor data, the on-skin device including

a mounting unit (14) adapted for mounting on a skin of a host and

an electronics unit (16) connected to the mounting unit (14), the electronics unit (16) configured to perform the processing and storing; and

a sensor for measuring a level of glucose in the interstitial fluid of the host, the sensor comprising an in vivo portion for insertion through the skin at an exit site of the host, said in vivo portion having a working electrode and at least one additional electrode that functions as a reference electrode, and an ex vivo portion that remains above the host's skin and is connected to the mounting unit (14), wherein the sensor is operably connected to the electronics unit (16); and

the system further comprising a receiver (158) that is a personal digital assistant, cell phone, or other more general purpose portable computer device remote from the on-skin device for receiving and processing the glucose sensor data, and displaying the processed glucose sensor data on a user interface of the receiver (158),

characterised in that the on-skin device is configured to transmit stored glucose sensor data when requested by the receiver (158), wherein the receiver (158) requests the on-skin device to transmit the requested stored glucose data when the receiver (158) is held in close proximity to the on-skin device, wherein the requesting and transmission use inductive coupling data transmission.

7. A method of measuring glucose concentration of a host, the method comprising:

measuring, processing and storing glucose sensor data using an on-skin device, the on-skin device including

a mounting unit (14) adapted for mounting on a skin of a host and

an electronics unit (16) connected to the mounting unit (14), the electronics unit (16) configured to perform the processing and storing; and

a sensor for measuring a level of glucose the interstitial fluid of in the host, the sensor comprising an in vivo portion for insertion through the skin at an exit site of the host, said in vivo portion having a working electrode and at least one additional electrode that functions as a reference electrode, and an ex vivo portion that remains above the host's skin and is connected to the mounting unit (14), wherein the sensor is operably connected to the electronics unit (16);

characterised by:

requesting, using a receiver (158) that is a personal digital assistant, cell phone, or other more general purpose portable computing device remote from the on-skin device, glucose sensor data stored on the on-skin device when the receiver (158) is held in close proximity to the on-skin device; and

transmitting, using the on-skin device, the requested stored glucose sensor data, wherein the requesting and transmission use inductive coupling data transmission.