

ABSTRACT

Provided is an in vivo glucose monitoring device, including an outer housing, a bottom housing, an in vivo monitoring assembly, and a sealing assembly. The outer housing has a first end and a second end opposite to the first end in a first direction. The second end has an engagement opening. The bottom housing is connected to the second end and has an implantation opening. The in vivo monitoring assembly includes a first electronic unit inside the outer housing and a second electronic unit at the bottom housing. The first electronic unit includes a sensor. The second electronic unit includes a signal processing module. The sealing assembly is configured to abut with the outer housing and/or the bottom housing and is located between the first electronic unit and the second electronic unit to seal the engagement opening. The sealing assembly is configured to move along a second direction to unseal the engagement opening. The second direction is perpendicular to the first direction. During use, the engagement opening can be unsealed through simply moving the sealing assembly in the second direction, without removing the bottom housing from the outer housing, which simplifies use steps of a product and lowers operational difficulty.

FIG. 1