

A RECEIVER FOR BODY CHANNEL COMMUNICATION AND A METHOD OF OPERATING A RECEIVER THEREFROM

ABSTRACT

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In various embodiments of the present disclosure, there is provided a receiver for body channel communication. The receiver includes an electrode configured to receive an incoming signal transmitted as a multi-level transmission signal from a transmitter through a body channel, a differentiator configured to obtain a time derivative of the incoming signal indicating a plurality of data transitions, and an analog to digital
10 converter configured to generate a multi-level output signal representing the multi-level transmission signal based on the plurality of data transitions. A corresponding method of controlling a receiver for body channel communications is provided.

15 Figure 2