

AN ENERGY HARVESTING APPARATUS AND A METHOD FOR OPERATING AN ENERGY HARVESTING APPARATUS

ABSTRACT

5

In various embodiments of the present disclosure, there is provided an energy harvesting apparatus, including: an energy harvester for generating electric power from an ambient source; a power conditioning circuit coupled to the output of the energy harvester; including: a boost converter module; a buck-boost converter module; and a power
10 modification control module; wherein the power modification control module is configured to initialize the energy harvesting apparatus from inactivity to a normal energy harvesting state by operating the boost converter module, and operating the buck-boost converter when an output voltage of the power conditioning circuit rises to a predetermined value. A corresponding method of operating an energy harvesting
15 apparatus is provided.

Figure 1