

Technology Title: Energy Harvesting

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ABSTRACT

Keywords: energy harvesting; piezoelectric materials; transducers; energy

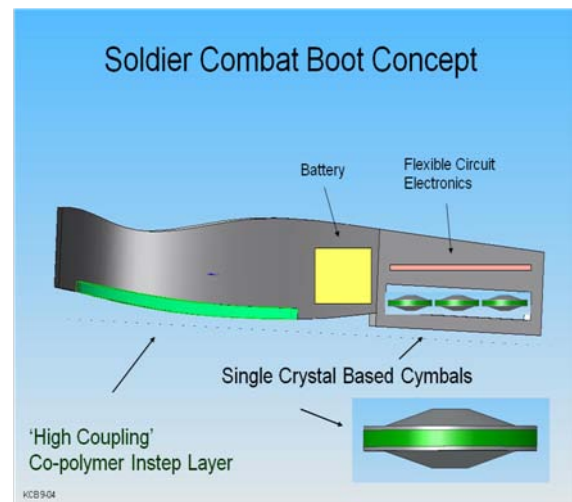
Current energy harvesting technologies produce only small amounts of energy from vibrations. Higher power outputs are needed to support military and commercial needs for remote sensing, lighting, machinery and powering of personal devices. Compact, shapeable, cymbal type transducers and arrays are used to generate electrical energy from environmental, mechanical and mechanical compression forces more efficiently with an order of magnitude (10X) higher energy return.

Covered by U.S. Patent 8,030,825 "Piezoelectric Generator and Method"

Seeking industry partner to commercialize through patent license and Cooperative Research and Development Agreement (CRADA).

Thumbnail

A more efficient and compact means of generating electrical energy from vibrations that produces an order of magnitude (10X) higher energy returns



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