

Bicycle vibrations Energy from Piezoelectric Generator to Supply Portable Devices

The need to decrease in energy consumption of portable devices in daily living, the concept to find various alternative energy sources in surrounding areas. I have developed a piezoelectric generator which generates energy from vibration of a bicycle. In this case, piezoelectric material is used to transform mechanical energy to electric energy. Afterwards, the electric energy will be transformed suitably for charging batteries for storage and use later on. In this research, Values of generated electrical power are reported and commented.

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