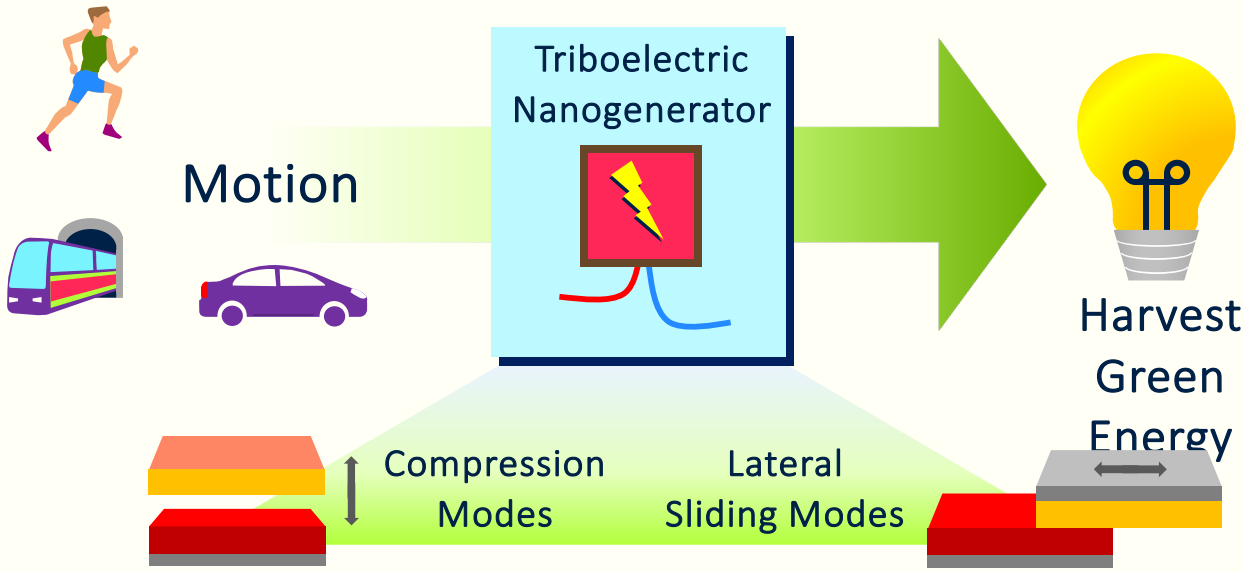
Opportunity: 21136

A low-cost nanogenerator capable of harvesting energy from motion

Applications: Automotive, wearable electronics, self-powered sensors, batteries



Features	Benefits
▪ A triboelectric nanogenerator capable of harvesting energy from motion.	▪ Low-cost green energy generation. ▪ Can be used in self-powered devices and sensors.
▪ Composed of readily available commercial materials.	▪ Minimizes cost of manufacturing. ▪ Simplified material supply chain.
▪ Operates in four working modes based on compression and lateral energy harvesting.	▪ Can be easily customized and tailored for use in various energy harvesting applications.
▪ Stable power output for over 100,000 cycles.	▪ Highly durable construction. ▪ Operates under conditions of prolonged mechanical shock.
▪ –150°C to 150°C operating temperature.	▪ Suitable for energy harvesting applications in extreme climate conditions and environments.

Patent pending and available for

- Licensing
- Co-development
- Consulting

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