

Manufacture of Thermoelectric Generator Structures by Fiber Drawing

Disclosure Number

200902255

Technology Summary

The invention comprises design and configuration of high-junction number, high-aspect ratio, and very efficient thermoelectric (TE) generators and a low-cost, high-volume, and unique method of making the same. TE devices made in accordance with the present invention can effectively scavenge and use energy from low-quality (small thermal gradient) waste heat sources that are currently considered to be unusable. The scavenged energy can be used to power remote devices, low level lighting, wireless sensors, and other energy-saving and/or low demand devices.

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