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**IF I COULD INVENT SOMETHING NEW**

If I could invent something new it would be an incinerator that can convert heat energy to electrical energy. I would call it the “Incinerating Electrical Machine.” It works on the principle of the heat produced by an incinerator being converted into electricity through some certain scientifically proven processes.

The reason why I would like to invent the “Incinerating Electrical Machine” is because of the lack of constant electricity in my country, Nigeria and in Africa at large. Secondly, it is so that the carbon dioxide produced by burning the waste in the “Incinerating Electrical Machine” during the “heat to electricity” conversion can be used positively. The third reason is to reduce pollution in the environment.

The incinerating electrical machine is best for large-scale electricity production. The incinerator function of the Incinerating Electrical Machine will be used as a heat source. And to convert the heat energy into electrical energy, the incinerator while burning the trash will be connected to an industrial large-scale thermoelectric generator. This thermoelectric generator works on the principle of the Seebeck Effect. The Seebeck Effect is a phenomenon in which a temperature difference between two dissimilar electrical conductors or semi-conductors produces a voltage difference between the two substances. When heat is applied to one of the conductors or semi-conductors, heated electrons are sent toward the cooler one to produce electricity. The heat source would be placed one inch from the conductor and the cooler metal also connected to the hot one so heated electrons will flow to produce electricity.

After the “heat to electricity” conversion process, the carbon dioxide produced can not just be allowed to get into the atmosphere. We are trying to build a world where pollution will be very little, so that the carbon dioxide will be used positively and by so doing prevent the depletion of the ozone layer. It can also be used as a refrigerant or used to extinguish fire because it neither burns nor does it help in burning substance by cutting off the supply of oxygen. The carbon dioxide will also be used in inflating life jackets, blasting coal, foaming rubber and plastic, promoting growth of plants in green houses, immobilizing animal before slaughter and in carbonated beverages.

In conclusion, instead of causing pollution in our environment by just dropping trash on the road and in lakes and streams, my dream is to invent the incinerating electrical machine which can be used for two purposes, Creation of electrical energy and the production of carbon dioxide which will be used positively in the society.