Power Generation through Resonance

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The project was designed primarily to solve the challenges of epileptic power supply in Nigeria and at the same time address the shortcoming of power generation through mechanical moving devices. An encased 1000KWebar was swiped in a North – South direction against 800 turns of 40 SWG copper to generate the electromotive force which initiate the resonance process. The induced e.m.f. is oscillated with a LM555 at 45 KHz into the high voltage generator at a very low current of 100mA (milli Amperes). A MOSFET transistor is used to switch the high voltage generator to 9800 V and rectified to direct current by the high voltage diode. The high capacity capacitor is charged by the voltage to a level that it breaks the spark gap which ionizes the surrounding air, making it to conduct electricity into the RF coil-magnetostriction oscillators, at 500 KHz, which vibrates at the frequency of resonance oscillation, and it becomes the feedback transformer. The negative magnetic character of the RF coils, in reaction to the magnetic flux field provided by induced voltage, increases the output. Resonating with negative magnetic resistance, it pumps energy from the Earth's ambient background. This combined with a resonant energy induction system, enhanced by flux lines excite the nearby electrons, enables over-unity. The excess current is used to power the load while remaining is used to keep the circuit working. The project if further developed will enhance cheap power generation as it is fuel-less, does not release any obnoxious substance to the environment and has no moving parts unlike most conventional power generators.

Awards Won: