

The Earth Energy Reaction-Interaction Engine (EERIE)

Although not common knowledge in the Engineering community, those who study abstract, formal thermodynamics professionally, in contexts outside of Engineering, have known for many years that the qualitative and absolute second law of thermodynamics can be overcome under certain very particular pre-conditions.

One simple such set of pre-conditions is to be found in a system consisting of only a few particles. In this case, lower entropy arrangements are well within the realm of attainability. This speaks to an indisputable yet strangely contentious fact: The qualitative, abstract, and tyrannical second law is based on subjective, non-physical, non-mathematical judgments about the systems to which it is supposed to apply, all-too-human judgments derived from the goals of the heat engine artificers of times gone by. To the extent that the second law is genuinely formalized in a reductive way, that is, reduced to its underlying mechanisms, it is no longer a law, but instead a mere description with a limited range of applicability.

These limits are to be found in macroscopic as well as microscopic systems. It has been known for some time that processes meeting a set of criteria such as being an open system far from equilibrium, exhibiting a rapid rate of communication between different regions/particles, having a rate of power-flow through the system that is faster than the time it takes the system to decay, and various other pre-conditions, can deactivate the second law and cause local entropy reversal. There are many such systems in Nature, for example, hurricanes and tornadoes.

Various processes must work together in a marvelous, spontaneous harmony in order to ‘pick the lock’ of the second law in this way, but once so defiled, this joyless, defective excuse for an idea need not ever hinder competent Engineers again. Of course, only a Higher Intelligence such as Wise Nature’s is capable of accomplishing this, so the only way forward is to humbly aspire to the perfect and self-perfecting simplicity of the Universe’s joyous, self-designing design.

Likewise, the Electric Universe and Plasma Cosmology inspire us to perceive another liberating fact: We live in an interconnected Universe, where everything is joined by magneto-electric currents. On the largest scales, these supply cosmic bodies with quantities of energy so vast that they defy description. Here on Earth, they are the origin of the weather’s titanic power.

The present disclosure relates to the Earth Energy Reaction-Interaction Engine (EERIE), an invention intended to act as a prime mover (*il primo motore*), producing unlimited, clean, Environmentally friendly energy, more specifically, the EERIE is a type of magneto-electro-hydrodynamic temperature engine that applies the above described (as well as other) electric universe and advanced thermodynamics principles.

The invention consists of a combination of some or all of the following inventions: The Bi-directional Compressor, the Waviform Inwindor, the Toroidal Ionic Centrifuge, the Oviform Orbitron, the Bladeless Radial Plasma Heat Turbine (and various other parts). These are assembled as named here or in some other advantageous way. (The Anti-patents of these inventions can be found at EarthEnergy.io)

Everything relevant about these inventions, including any relevant physical processes and effects, can apply to the present invention, however, the essence of the present invention is embodied by what emerges from their artful combination.

This artful synthesis generates plasma currents in the working medium (which can be a liquid or fluid, or both). These serpentine currents flow freely through the engine's open system and are inherently connected to the Earth's vast flowing plasma currents. These currents are distinct from closed system discharges, ordinary airglow and arcing caused by standard means, they result from the direct excitation of the Earth's energy fields: The invention is designed around the currents of creation, not the creation of currents. These currents of creation come into being because the EERIE's unique combination of special components, designed through higher order biomimicry, allow for the exact replication of the processes that power weather, which can only come into being in the context of very specific types of magneto-electro-hydrodynamic fluid motion and related ion states.

The EERIE triggers self-organization of the working medium by means of these currents and allows for the development of a plasma gradient (from dark mode to arc mode). When the micro-system discharges, as has been known for many years in plasma science, the entire macro-system floods the discharge space, the EERIE, with vastly more energy than was present in the micro-system before discharge. This happens at the speed of light (and some variations may be superluminal).

In short, the invention is a direct application of the discovery that currents capable of reversing entropy, and inherently connected to the vast Cosmic Circuit, can manifest in a machine if the machine is an open system designed to faithfully replicate the circumstances under which such currents are spontaneously energized on Earth. (This is The Earth Energy Reaction-Interaction!)

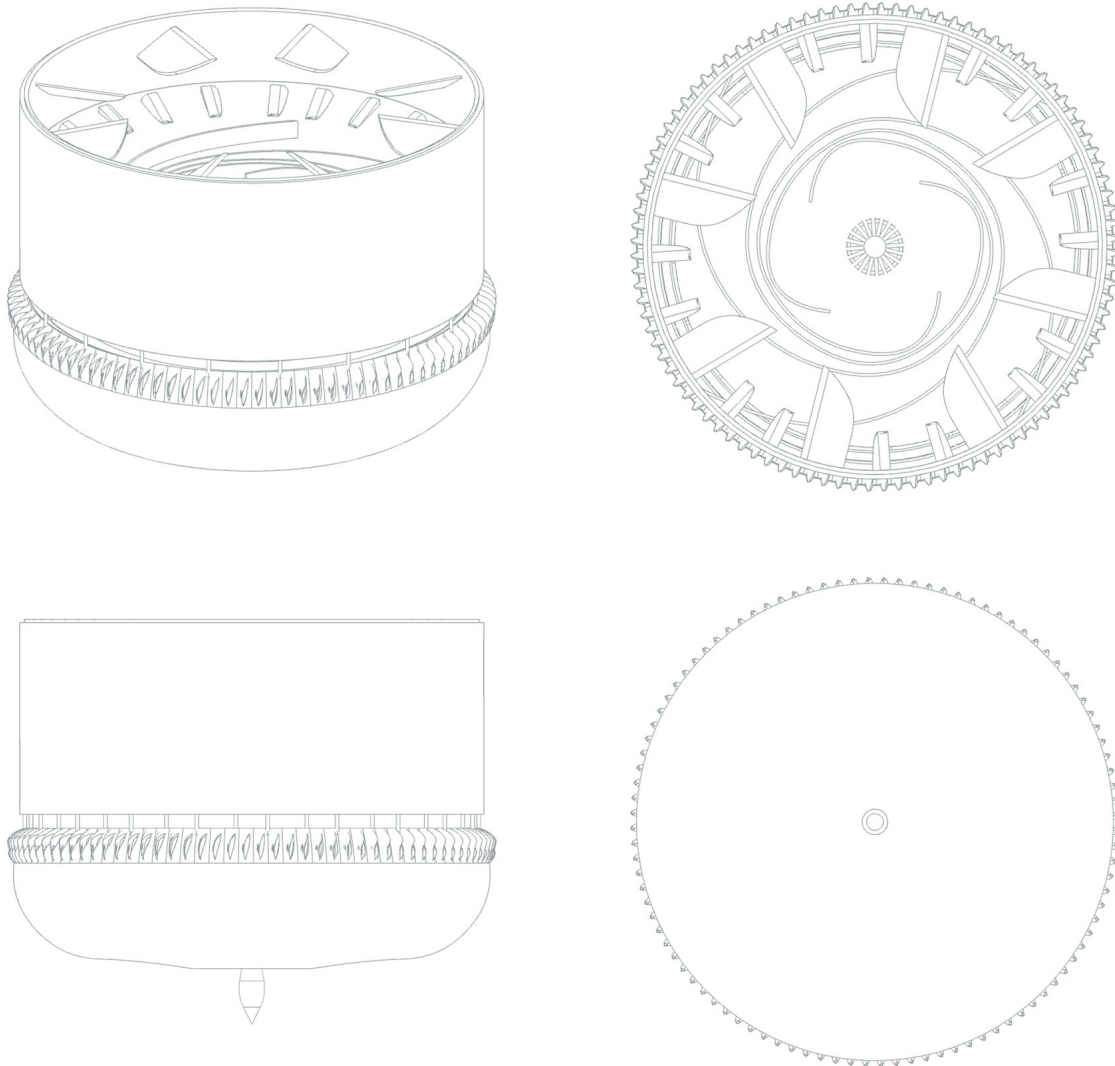
Geometrically, the EERIE is a kind of gas turbine or electric motor/generator or a hybrid of these, characterized by a plasma gradient reaching arc mode at a kind of nexus, usually located on the axis (sometimes at the edge). The detailed descriptions of the various parts can be found in their Anti-patents, and flow through the machine can follow the same sequence as the sequence that these parts/inventions were cited in and/or an inversion thereof.

Where possible, the EERIE uses the conductive pathways set up in the flowing ionized medium instead of wires, not only because plasma is more conductive than metal, but also because this allows the plasma to have the final say with respect to the surroundings through which flow will take place.

As with the parts, the EERIE can and should employ specialized materials known to facilitate the desired interactions.

The present invention may be of any size and designed and used to facilitate any advantageous application, e.g., power production, propulsion, fluid conveyance, desalination, chemical syntheses (including in the realms of food and beverage chemistry), and the production or refinement of fertilizers or other agricultural amendments.

Here is a depiction of one possible embodiment of the invention:



In service to the Living Earth and for the common welfare of all free Nations and peoples, we at Earth Energy hereby publish this, that is, the above invention, in all possible forms and embodiments, forever into the public domain! Now it can never be patented, and any attempt to do so will be ruthlessly terminated by prompt legal action.