

## Euler's Generator Concept III

(尤拉發電系統概念 III)

(A mechanism for generation of electrical energy without depleting kinetic energy to work against Lenz's force.)

Date :03/31/06

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### Background/Development of Idea:

Almost all existing generator would consume kinetic energy as input to produce electrical current as an output. As repeatedly asserted by this inventor, it is only the design of the generator which cause the instantaneous generated current to interact with the source of Magnetic field which create an appearance of conservation of energy. In reality, extra electrical energy is elicited by the variation of Magnetic field.

One direction for prevention of forming of Lenz's force is by using a generating coils to rotate in the same plane as the Magnetic flux. When Magnetic flux is passing through the center of radius of the coils, it is impossible for electrical current to flow in a way that to produce a Magnetic polarities antagonistic to the change in Magnetic field.

### Summary & Discussion:

A Generating coil is placed with all its repeating planes parallel to a Magnetic flux line(s) passing through the center of the radius in the center of that plane. Either the Generating coil and/or the source(s) of Magnetic field is propelled by an external source of kinetic energy along with physical/electrical mechanism to rotate in the same plane. For instance, the mechanism which produce the rotary motion of the coil in the plane parallel to the Magnetic flux could be an electrical motor.

As the generating coil is rotating in the plane parallel to Magnetic flux line(s) passing through the center of the coil, the local Magnetic field on each individual element of the circular coil is varying its distance from the source of stable Magnetic field. Thus each element in the ring is attempting to form an Magnetic poles antagonistic to the change of local Magnetic field in accordance to Lenz's Law. An e.m.f is thus induced in the coil, and electrical current is thus flowing as a result. Output is taken at one or both end of the generating coil.

Although e.m.f is produced, by the geometry of a circle, it is impossible for electrical current formed instantaneously to create Magnetic polarities antagonistic to the change of Magnetic field. Thus, no extra kinetic energy is required to input into the system to keep the rotary motion of either the generating coil and/or source of Magnetic flux line.

If more than one source of Magnetic field is available, the change of local Magnetic field is taken as the vector sum of the Magnetic flux streaming from each source of Magnetic field. There are two alternative ways to wind this generating coil. One is by spiraling one conductor wire from the beginning to the end. Another is by connecting many circular-winded loops from different conductor wires together through non-conducting materials.

**Claim:** The system in its entirety with at least all its essential components each for the purpose stated above and together as a whole for the purpose of Electrical energy generation with mechanism to compensate Lenz's force without affecting the electrical energy output.

**Related Claims:****Applications:**

Non-Dragging Generator

**Advantages:**

1. The output of electrical energy is no longer relevant to the inputting kinetic energy, thus no upper limit for output.

**Technicalities:**

1. The effect of the current flowing in one individual ring to other in parallel.