Euler's Magnetic Generator Concept
(磁芯發電機)
(Mechanism of electrical generation using Magnet as the core.)

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Background/Development of Idea:
Could we use a Permanent Magnet to replace the iron core of generating coils?

Summary & Discussion:
The invention is made of five components:

A. A pair of Magnets or a source of stable persistent Magnetic field with its poles at two ends. The resultant alignment of Magnetic poles must either in N-S-N-S or S-N-S-N. Or a special Magnet with two like poles on the both ends.

B. Generating coil(s) winded on the surface of A with one end near one pole and the other end near another pole.

C. A cylindrical metallic core to concatenate the Magnetic flux lines from A to B.

D. A non elastic suspension mechanism to let B move freely on the surface of A.

E. An output mechanism for the electrical current produced at B.

(It is possible to use a single Permanent Magnet with a specially winded generating coil which the coil is winded in one direction on its upper half and the coil is winded in the opposite direction in the lower half.)

The process as following:

An external source of kinetic energy would enter into the system to cause the movement between A and B. B experience change in local Magnetic field, and by Lenz's Law electrical current is produced as a result. At the same time electrical current is produced, Magnetic poles formed to oppose the relative motion between A and B. At this moment, the external source of kinetic energy is no longer in effect. Therefore, Lenz's effect would now push B in the opposite direction relative to initial direction of movement. Similarly, this relative motion would again cause the Lenz's Law take effect again, and electrical current is produced as result. This cycle repeat itself indefinitely.

Claim: The system in its entirety.

Related Claims:
Euler's Static Field Energy Generation Technology (Euler Cheung)

Applications:
Overunity Generator

Advantages:
1. More output than input.