CLAIMS

I claim:

1. A system comprising:

at least one feed inlet;

a plurality of waveform disks in fluid communication with said at least one feed inlet, said plurality of waveform disks each having an opening passing therethrough forming an axially centered expansion chamber;

at least one coil array in magnetic communication with said plurality of waveform disks;

at least one magnet plate rotatable about said feed inlet, wherein said disk includes an array of magnets where one of said at least one coil array is between one of said at least one magnet plate and said plurality of waveform disks; and

a drive system engaging said plurality of waveform disks.

2. The system according to claim 1, wherein said plurality of waveform disks includes at least one set of mated disks.

3. The system according to claim 2, wherein each of said at least one set of mated disks forms a diamagnetic disk pair when the mated disks are in motion.

4. The system according to claim 1, wherein said plurality of disks are formed of at least one material capable of generating strong force diamagnetism.

5. The system according to claim 4, wherein said at least one material is selected from the group consisting of aluminum, brass, stainless steel, carbon fiber, copper, magnesium, non-ferrous material alloys, and non-ferrous material alloys containing high amounts of bismuth relative to other metals.

6. The system according to any one of claims 1-5, wherein said plurality of waveform disks includes waveforms formed on at least one surface.

7. The system according to claim 6, wherein said waveforms are hyperbolic.

8. The system according to claim 7, wherein said hyperbolic waveforms are selected from the group including biaxial and multi-axial sinusoidal waveforms.

9. The system according to any one of claims 1-5, wherein said expansion chamber includes a converging portion and a diverging portion.

10. The system according to any one of claims 1-5, wherein said drive system rotates said plurality of waveform disks.

11. The system according to any one of claims 1-5, further comprising energy collection means in communication with said at least one coil array.

~~12. A system comprising:~~

an intake chamber;

a housing connected to said intake chamber, wherein said housing ~~includes~~

~~an upper case having a paraboloid shape formed on at least one face,~~

~~a lower case having a paraboloid shape formed on at least one face, and~~

~~a peripheral side wall connecting said upper case and said lower case such that a chamber that is at least one of a paraboloid and toroid is formed;~~

a disk-pack turbine disposed within said housing, said disk-pack turbine includes at least one disk having an opening in the center in fluid communication with said intake chamber; and

a drive system connected to said disk-pack turbine.

13. The system according to claim 12, wherein said disk-pack turbine includes an upper rotor, a lower rotor, and at least one center disk disposed between said upper rotor and said lower rotor.

14. The system according to claim 13, wherein at least one of said upper rotor and said lower rotor includes a paraboloid shape formed on at least one surface.

15. The system according to claim 14, wherein said paraboloid shape of said at least one of said upper rotor and said lower rotor is complimentary to the paraboloid shape of at least one of said upper case and said lower case.

16. The system according to any one of claims 13-15, wherein at least one of said upper rotor and said lower rotor include a waveform formed on at least one surface facing said at least one center disk;

a top disk chamber formed between said upper rotor and said at least one center disk; and

a bottom disk chamber formed between said bottom rotor and said at least one center disk.

17. The system according to claim 16, wherein said waveforms are hyperbolic.

18. The system according to claim 17, wherein said hyperbolic waveforms are selected from the group consisting of biaxial and multi-axial sinusoidal waveforms.

19. The system according to any one of claims 13-15, wherein at least one of said upper rotor, said lower rotor, and said at least one center disk includes a bearing for contacting an inside of said housing for establishment of an electrical circuit with said housing.

20. The system according to any one of claims 12-15, wherein said housing and said disk-pack turbine are electrically isolated from each other.

21. The system according to any one of claims 12-15, wherein said intake chamber includes a vortex chamber.

22. A system comprising:

a vortex induction chamber,

a housing connected to said vortex induction chamber, said housing including a chamber having multiple discharge ports,

a pair of rotors in rotational connection to said housing, said rotors forming at least a portion of an expansion chamber,

disk mounted on each of said rotors, at least one disk chamber exists between said disks, and

a motor connected to said rotors; and

a fluid pathway exists from said vortex induction chamber into said expansion chamber through said at least one disk chamber to said housing chamber and said multiple discharge ports.

23. The system according to claim 22, further comprising at least one disk having a waveform pattern on each side of the disk and an opening axially centered passing therethrough, the

opening aligned with an opening passing through the top rotor, the waveform patterns are complementary of waveforms on at least one of a neighboring disk and one of said pair of rotors.

24. A system comprising:

a housing having

at least one feed inlet,

a vortex chamber in fluid communication with said at least one feed inlet;

a disk-pack turbine having an expansion chamber axially centered and in fluid communication with said vortex chamber, wherein said disk-pack turbine includes members having waveforms formed on at least one surface;

a first coil array placed on a first side of said disk-pack turbine;

a second coil array placed on a second side of said disk-pack turbine;

an array of magnets in magnetic communication with said disk-pack turbine; and

a drive system engaging said disk-pack turbine.

25. The system according to claim 24, wherein said waveforms are hyperbolic.

26. The system according to claim 25, wherein said hyperbolic waveforms are selected from the group consisting of biaxial and multi-axial sinusoidal waveforms.

27. A disk array for use in a system manipulating at least one fluid, the disk array comprising:

at least one pair of mated disks, said mated disks are substantially parallel to each other, each disk having

a top surface,

a bottom surface,

a waveform pattern on at least one surface of the disk facing at least one neighboring disk such that a passageway is formed by the neighboring waveform patterns of said neighboring disks in said pair of mated disks,

at least one mated disk in each pair of mated disks includes at least one opening passing through its height, and

a fluid pathway exists for directing fluid from the at least one opening in said disks through the at least one passageway towards the periphery of the disks; and

each of said waveform patterns includes a plurality of at least one of protrusions and depressions.

28. The disk array according to claim 27, wherein the at least one opening is axially centered to said disks.

29. The disk array according to claim 27, wherein a plurality of disks have an opening passing therethrough with at least two disks having openings with different diameters.

30. The disk array according to claim 27, wherein there are two pairs of mated disks with the top three disks each having at least one opening and said bottom disk having a fluid chamber bottom area aligned with the openings passing through the top three disks to form a fluid chamber.

31. The disk array according to claim 27, wherein there are at least two pairs of mated disks stacked on top of each,

each pair having one disk having a flat surface and a surface having the waveform pattern,

wherein the flat surface of the top pair of mated disks faces the flat surface of the bottom pair of mated disks.

32. The disk array according to claim 27, wherein each waveform pattern includes a plurality of rising waveforms as the protrusions and a plurality of descending waveforms as the depressions, said plurality of rising waveforms and descending waveforms traveling substantially around and substantially axially centered about the accessible opening of the disk array.

33. The disk array according to any one of claims 27-32, wherein the passageway formed between two mated disks provides a plurality of low pressure zones and high pressure zones during operation with the pressure zones alternating along the radius of the disks.

34. The disk array according to any one of claims 27-32, wherein each waveform pattern includes at least one biaxial waveform centered about the accessible opening of the disk array and at least one multiple axial sinusoidal waveform.

35. The disk array according to any one of claims 27-32, wherein the passageway formed between disks of each pair includes a substantial portion of the surface with the waveform pattern.

36. The disk array according to any one of claims 27-32, wherein each disk surface facing another disk includes the waveform pattern.

37. The disk array according to any one of claims 27-32, further comprising at least one additional disk between said disks of at least one mated pair, each additional disk includes

a top surface,

a bottom surface,

a waveform pattern on said top surface and said bottom surface such that a passageway is formed by the neighboring waveform patterns between said neighboring disks within said mated disks, and

an opening passing from said top surface to said bottom surface.

38. The disk array according to any one of claims 27-32, further comprising:

a top rotor attached to one mated disk,

a bottom rotor attached to second mated disk from a second pair of mated disks, and

wherein said at least one pair of mated disks numbers at least three pairs of mated disks.

39. A method for generating power comprising:

driving a plurality of disks having mating waveforms,

feeding a fluid into a central chamber defined by openings passing through a majority of the plurality of disks with the fluid flowing into spaces formed between the disks to cause the fluid to dissociate into separate components, and

inducing current flow through a plurality of coils residing in a magnetic field created between the waveform disks and at least one magnet platform rotating through magnetic coupling with the waveform disks.