

## Chapter 1 "Discussion and use of "Hypothesis: Infinite magnetic field"

"Discovery of new motive power by unknown explosive expansion of evaporation by magnetism to clear the way for a cut of CO<sub>2</sub>"

The title mentioned above is really unbelievable title, but please read the following to understand that reason.

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A. New unknown motive power of expansive pressure of explosive vaporization by magnetism to be generated by "Infinite magnetic field"

- (1) When gasoline and light oil burn, at first, gasoline and light oil evaporate and become gases.  
Next, the gases and air are mixed, and chemical reaction with combustion begins.
- (2) Conventionally in comparison with expansion pressures of evaporation with combustion pushing down piston in engine, evaporation pressure of various fuels have been completely disregarded as negligible small power.
- (3) In other words, we are using only thermal expansion pressure of explosive combustion of gasoline and light oil and heavy oil as motive power and propulsion conventionally.
- (4) The technology of "Infinite magnetic field" is the technology that can produce new unknown motive power which added new expansive pressure of explosive evaporation by magnetism to thermal expansive pressure by explosive combustion in engine.
- (5) By the technology of "Infinite magnetic field" already today, we can generate in engine big new expansive pressure of explosive evaporation by magnetism attaining to 10%~20% of thermal expansive pressure by explosive combustion conventionally.
- (6) In other words, by generating of new unknown motive power by expansive pressure of explosive evaporation by magnetism, the speed of rotation of engine is quickened and for that reason fuel consumption of engine decreases.

B. "The securing of energy" and "The cut of CO2"

- (1) The technology of "Infinite magnetic field" is discovery of new unknown motive power by expansive pressure of explosive evaporation by magnetism, and at the same time, it is invention of method of generating new unknown motive power too.

- (2) The technology of "Infinite magnetic field" is new energy technology to give a clue to solve a former invisible difficult problem about 2 law rebellion of "The securing of energy" and "The cut of CO<sub>2</sub>" that all humankind must face fatefully.

C. The organization and definition of "Infinite magnetic field" by permanent magnet

- (1) "Infinite magnetic field" is comprised of two permanent magnets having equal size and equal magnetic force and equal form.
- (2) In addition, the polarity of two permanent magnets constitutes special composition magnetic field on the surface touching when they are put on a straight line so that they become reverse polarity each.

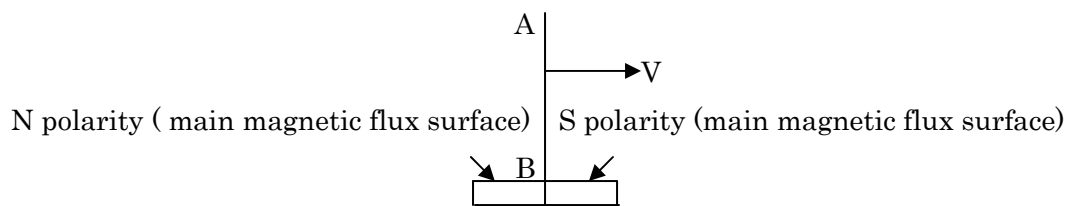


Figure 1 .

But, "V" shows a movement direction of material.

- (3) In figure 1, the magnetic flux density of the line of magnetic force of the main magnetic flux surface of N polarity and the S polarity is equal each.
- (4) The magnetic flux densities of the line of magnetic force of the S polarity and N polarity are each equal in the magnetic field expressed as A·B, but each directions of the line of magnetic force are opposite direction.
- (5) A composition magnetic field is formed by magnetic force of reverse polarity contacting in each surface of the magnet being next to each other mutually and that is expressed as A·B.
- (6) I call this synthetic magnetic field "Infinite magnetic field" tentatively.
- (7) In other words, in "Infinite magnetic field" strength of magnetic vector that the lines of magnetic force of the permanent magnet are equal and are contrary in the

direction is offset, and is changed into zero because both lines of magnetic force of different polarity are coupled.

- (8) On the other hand, the magnetic energy of "Infinite magnetic field" expressed in scalar quantity is double the magnetic energy of the surrounding.

D. The definition and configuration of "Infinite magnetic field" by alternative electromagnet

- (1) The primary coil consists of the copper wire that is wound around the iron frame of alternative electromagnet.
- (2) The plastics tubing is wound one time on the primary coil as a secondary coil, and "Trans-master" device is made up by this transformer system.
- (3) One part of the iron frame of alternative electromagnet is cut, and the part of plastic tubing is buried into the cutting part, and especially fuel oil is flowed into the plastic tubing.
- (4) Alternating magnetic force occurs between both cross sections in the cutting part of the iron frame by charging the primary coil with alternating electric current.
- (5) "The point of zero cross" by alternating magnetic force is generated from the wavy form of change of magnetic density of flux by alternating electric current.
- (6) "Infinite magnetic field" is organized automatically by "The point of zero cross".
- (7) In this case, very big special magnetic energy to escalate is induced to non conductive liquid such as fuel oil flowing in the plastic tubing by "Transformer effect".

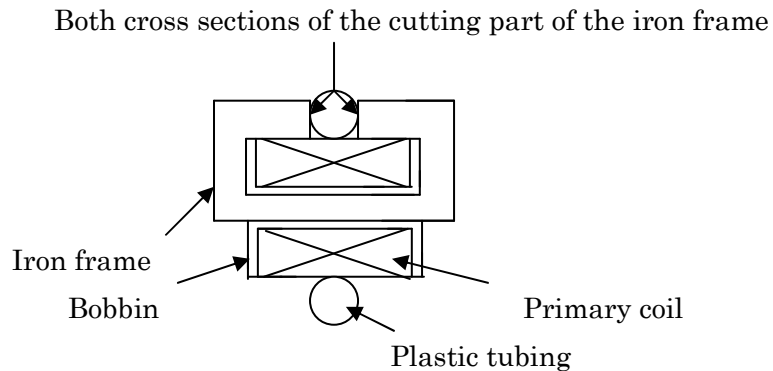


Figure 4

E. The outline of effects of technology by "Infinite magnetic field"

- (1) By expansive pressure of explosive evaporation by magnetism by using fuel oil by "Infinite magnetic field", the new unknown motive power without occurring of heat is generated in cylinder of engine.
- (2) Therefore, the remarkable changes on the motive power and on the performance tuning in engine that is not thought in conventional engine technology are generated.
- (3) Furthermore, the strength of expansive pressure of explosive evaporation by magnetism to be generated according to the fuel oil by "Infinite magnetic field" attains to 10%~20% of thermal expansive pressure of only conventional explosive combustion in engine .
- (4) The torque increases greatly in spite of big reduction of consumption rate of fuel oil in engine at the same time, and the speed of rotation in engine increases too. As a result, carbon dioxide (CO<sub>2</sub>) is decreased greatly.
- (5) Therefore, because the combustion temperature in cylinder of engine greatly decreases, oxides of nitrogen (NO<sub>x</sub>) and other harmful exhaust gases greatly decrease.
- (6) Therefore, the technology of "Infinite magnetic field" can undertake a dramatic big role for prevention of atmospheric environmental pollution.



F. The basic difference with the technology of conventional engine by "Infinite magnetic field"

- (1) Needless to say, performance tuning by mechanical improvement of engine has been already studied exhaustively, and there is little as for room of the higher performance tuning today.
- (2) In addition, the phenomena of combustion in cylinder and in chamber are pure natural phenomenon, and are ruled by the combustion as natural phenomenon in heat engine that thermal expansive pressure by explosive combustion with the generation of heat in engine is used as motive power basically.
- (3) Therefore, the technology of performance tuning for engine by the increase of torque by mechanical improvement of engine further and the increase of efficiency of combustion is limited to only restrictive technology by computer.
- (4) In other words, in heat engine the natural phenomenon about combustion of cylinder and combustion chamber are "Generation process of mixed gas" being ruled by hydrodynamic phenomenon, and are "Combustion reaction process" being ruled by chemical reaction, and are "Propagation process of expansive pressure by thermal energy" being ruled by thermodynamic phenomenon.
- (5) Fatefully and universally, as mentioned above the courses of combustion in heat engine are ruled basically each by special natural phenomenon, and technology on combustion by electronic technology in engine can only improve the phenomenon of combustion in the degree of assistant technology.
- (6) In addition, like the fuel oil by "Infinite magnetic field" the example which realized big effective performance tuning of engine by epoch-making improvement of fuel oil itself for using in engine did not exist at all until now.
- (7) That is, the technology by "Infinite magnetic field" is technology to change the conventional characteristic on combustion of fuel oil to the combustion characteristic that can get epoch-making big motive power by changing atom of fuel oil to high energy atom.

(8) In other words, by technology of "Infinite magnetic field" the technology that make an atom of fuel oil to high energy is the technology that electronic energy by magnetism is added more to the atom of conventional fuel oil having electronic energy by heat and pressure.

(9) Therefore, the technology by "Infinite magnetic field" can realize high performance tuning beyond the concept of conventional engine technology.

(10) Further more, by "Infinite magnetic field" regardless of injection method into cylinder and motive method of engine, big reduction rate of amount of consumption and the increase of torque are realized to extent beyond the concept of the conventional engine without exception basically uniformly.

(11) In addition, according to the definition of quantum theory of fuel oil that electronic energy by magnetism was induced to the atom is not under the influence of the high temperature and high pressure in cylinder at all.

(12) Therefore, fuel oil by "Infinite magnetic field" can always bring big epoch-making change to conventional engine technology.

(13) By the way, various kinds of phenomenon to completely overturn scientific technical common sense about the conventional fuel oil according to the technology of "Infinite magnetic field" appears.

(14) For example, the viscosity of fuel oil by "Infinite magnetic field" decreases greatly without heat.

(15) Furthermore, in the vaporization phenomenon of fuel oil itself by "Infinite magnetic field", any vaporization heat is not needed.

Please refer to following clause I

G. The changes being given the conventional engine technology by "Infinite magnetic field"

- (1) By the way, the heat is not generated at all when new unknown motive power by expansive pressure of explosive evaporation by magnetism of fuel oil by "Infinite magnetic field" in cylinder is generated.  
For that reason on the contrary, combustion temperature in cylinder decreases.
- (2) For that reason the fear of harmful impact to engine by overheat in cylinder does not exist at all and on the contrary the performance of engine is improved greatly.
- (3) Because in navigation test the temperature of the exhaust gas of ship engine decreases greatly in particular, and great decrease of combustion temperature in cylinder at the same time is estimated.
- (4) At the same time the quantity of oxides of nitrogen (NO<sub>x</sub>) greatly decreases by the decrease of combustion temperature in cylinder.
- (5) In addition, in spite of the improving of performance of engine greatly by the decline of consumption rate of fuel oil in particular, the amount of carbon dioxide (CO<sub>2</sub>) in exhaust gas falls off greatly on the contrary.
- (6) Conventionally, by the phenomenon of "after-burning" occurring in cylinder the burning gas in cylinder that combustion is not finished is exhausted to exhaust pipe from cylinder, and because the burning gas is cooled down rapidly and is extinguished, and as a result many harmful exhaust gases and micro-particulate materials (PM) are generated greatly.
- (7) However, by the fuel oil by "Infinite magnetic field" the formation of the mixed gas that complete combustion is possible is promoted in cylinder, and the phenomenon of "after-burning" in cylinder decreases and as a result especially micro-particulate material (PM) decreases dramatically.
- (8) Besides, because in technology of "Infinite magnetic field" any exhaust resistances by catalyst and filter in exhaust pipes do not exist, the pump work to occur in exhaust process of piston decreases greatly, and for that reason the consumption rate of fuel oil in engine is decreased greatly too.

- (9) Furthermore, according to the test result of fuel oil by "Infinite magnetic field" the fouling and the degradation of engine oil are greatly restrained, and the life span of engine oil is prolonged greatly.
- (10) As noted above, the application of fuel oil by technology of "Infinite magnetic field" in heat engine, is the most valuable application that can realize high performance of exceeding the concept of conventional engine performance about various performance tuning of engine particularly.

#### H. "E-oiler" device and "Trans-master" device

- (1) "E-oiler" device is the commercial name that was developed using "Infinite magnetic field" by permanent magnet for reduction of consumption amount of fuel oil.
- (2) "E-oiler" device is the device that can change the atom of fuel oil to high energy by using a pair of "Magnet row" consisting of plural "Infinite magnetic field" by permanent magnets.
- (3) "Trans-master" device is the commercial name that was developed for reduction of consumption amount of fuel oil by using "Infinite magnetic field" occurring in the electromagnet by alternative current.
- (4) "Trans-master" device is the device that can change the atom of flowing fuel oil to the atom of high energy into the plastics tubing being buried into the cutting part of the iron frame of electromagnet.

#### I. "Faraday's law" on electromagnetic induction by magnetism

- (1) When the copper wire that is nonmagnetic material passes through the magnetic field and cut magnetic flux of magnetic force line, according to "Faraday's law" induced electromotive force is generated in the copper wire.

- (2) The strength of electromotive force being induced is proportional to the height of the change rate of magnetic flux of magnetic force line to cut in a credit hour.
- (3) It expresses "Faraday's law" in general formula.

$$e = - d \phi / d t$$

But e : electromotive force being induced.

$\phi$  : Magnetic flux of magnetic force lines that were cut

t : Time

J. "Super electromagnetic inductive phenomenon" by "Infinite magnetic field"

- (1) The change rate of magnetic flux density that is amputated by molecules of fuel oil passing through the compound magnetic field A·B of "Infinite magnetic field" is limitlessly infinite.  
Please refer to figure 1.
- (2) On the other hand, in the case of alternative electromagnet, "Infinite magnetic field" is generated in "The point of zero cross" in alternative magnetic force by alternating electric current.  
Please refer to figure 2.
- (3) According to "Faraday's law" in electromagnetic inductive phenomenon, "The electronic energy by magnetism of the high level that is limitlessly infinity" is induced to the atom of fuel oil by high change rate of limitlessly infinite magnetic flux density by "Infinite magnetic field".
- (4) At the same time, the time that molecules of fuel oil pass through "Infinite magnetic field" are limitlessly near to zero.
- (5) Therefore by "Infinite magnetic field", "The electronic energy by magnetism of the high level that is limitlessly infinity" is generated by the special electromagnetic induction phenomenon that is induced into the atom of fuel oil while only "Time of near zero limitlessly".

- (6) Especially, I call this special electromagnetic induction phenomenon "Super electromagnetic induction phenomena" tentatively .
- (7) This special electronic energy of magnetism induced to the atom of fuel oil by "Super electromagnetic induction phenomenon" acts as trigger input to generate the special kinetic energy by magnetism to molecules.
- (8) The special magnetic energy to be generated by special electronic energy by magnetism being induced to the atom occurs in molecules of fuel oil and is accumulated as the special kinetic energy by magnetism.
- (9) Therefore, the phenomenon and the process of phenomenon in fuel oil that can not think conventionally at all are generated by the special kinetic energy by magnetism in molecule of fuel oil.
- (10) As for above mentioned phenomenon I can think that the fuel oil has become the fuel oil of high energy by the special electronic energy by magnetism being induced to the atom.
- (11) Needless to say, my assumption mentioned above does not contradict "Prohibition of Pauli" on the quantum theory.
- (12) The difference between special electronic energy by magnetism being expressed with "Magnetic quantum number" and special electronic energy being expressed with "Principal quantum number" about heat or pressure is only difference in the contents of exercise of electron fundamentally.
- (13) Therefore, the special electronic energy by magnetism and special electronic energy by heat or pressure can not interfere each mutually theoretically.
- (14) That is to say, the special kinetic energy by magnetism in molecule of fuel oil never is influenced and is not decreased and is not extinguished even if severe environment in cylinder becomes the conditions of high pressure and high temperature attaining to Max.1,400°C.

(15) For example, it is apparent from the example that a magnetic field is used as a container shutting in ultrahigh temperature reaching millions of degrees in the nuclear fusion reactor.

K. The reason that expansion pressure of explosive evaporation by magnetism is generated in fuel oil by "Infinite magnetic field"

(1) By the way, fuel oil by "Infinite magnetic field" is jetted in the condition of "Top dead center" of piston after the end of compression stroke of cylinder in engine.

(2) At first, fuel oil is heated and becomes "Ultra-fine particle" with adiabatic expansion and besides, evaporation pressure of "Ultra-fine particle" rises and next, expansion pressure of explosion evaporation by magnetism is generated.

(3) The adiabatic expansion phenomenon by heating of fuel oil mentioned above becomes the trigger input for expansion pressure of explosive evaporation by magnetism to occur and next, thermal expansion pressure of explosive combustion is generated.

(4) The phenomenon of expansion of evaporation by magnetism of fuel oil that kinetic energy by magnetism in molecule was generated by "Infinite magnetic field" does not receive the impacts of high temperature and high pressure in cylinder or combustion chamber of engine at all.

Please refer to clause I.

(5) For that reason, when fuel oil by "Infinite magnetic field" is jetted into cylinder, the expansion pressure of explosive evaporation by magnetism becomes big expansion pressure beyond the high pressure of cylinder necessarily.

L. The relation between the iron of ferromagnetic solid metal and magnetic field

(1) According to science and technology on magnetism, the explanation of mechanism that the ferromagnetic metal such as the iron is adsorbed with permanent magnet is as follows.

- (2) "Magnetic domain" of every direction is distributed over the molecules of the ferromagnetic metal such as the iron at random.
- (3) when permanent magnet approaches the iron, all "Magnetic domain" of every direction in the iron are changed into reverse polarity of permanent magnet.
- (4) Therefore, the iron is adsorbed by permanent magnet to turn all "Magnetic domain" of the iron into the polarity that is reverse to permanent magnet.
- (5) In this case, "Magnetic domain" means the magnet becoming minimum unit of magnetic energy.
- (6) In the case of the iron of ferromagnetic solid metals, the mutual position relations between fellow molecules of the iron are always unchangeable.
- (7) Similarly, mutual position relations between fellow "Magnetic domain" of reverse polarity being generated to fellow molecules of the iron by permanent magnet are unchangeable too.
- (8) Therefore, the iron of ferromagnetic solid material changes temporarily to the condition that accumulated magnetic energy of the vector of only one direction.

M. The relation between fuel oil consisting of nonmagnetic liquid material and "Infinite magnetic field"

- (1) By "Super electromagnetic induction phenomena" by "Infinite magnetic field" special electronic energy of magnetism induced to the atom of fuel oil as nonmagnetic liquid material acts as trigger input to generate "Inductive magnetic domain" into molecule.
- (2) "Inductive magnetic domain" is magnet of minimum unit with magnetic energy being equivalent to "Magnetic domain" being generated in the iron consisting of ferromagnetic metal and is generated to non magnetic material temporarily.
- (3) I call the magnetic energy of minimum unit being generated in nonmagnetic material, "inductive magnetic domain" tentatively.



(4) In addition, in "Trans-master" device, special electronic energy by magnetism is induced to the atom of fuel oil flowing in the plastic tubing buried into the cut part of iron frame of electromagnet and generates "Inductive magnetic domain" to molecule.

(5) In this case, because the special electronic energy by magnetism is greatly amplified by "Transformer effect" and is induced to the atom of fuel oil flowing in the plastic tubing buried into the cutting part of iron frame, a great number of "Inductive magnetic domain" is generated in the molecules of fuel oil at the same time collectively.

N. The phenomenon that the aluminum or the copper consisting of nonmagnetic solid metals are adsorbed to "Magnet row" constituting of "E-oiler" device

(1) When non magnetic solid metals of the aluminum or the copper pass through in magnetic field of "Magnet row", the special electronic energy by magnetism by "Super electromagnetic induction phenomena" is induced to the atom of the aluminum or the copper by action of "Infinite magnetic field".

(2) Furthermore, when nonmagnetic solid metals of the aluminum or the copper pass through in magnetic field of "Magnet row", the aluminum or the copper is adsorbed to main surface of magnetic flux of "Magnet row" consisting of plural "Infinite magnetic field".

(3) Therefore, when the aluminum coin on main surface of magnetic flux of "Magnet row" is slid down and drops, the phenomenon that the aluminum coin is adsorbed like the iron temporarily on main surface of magnetic flux of "Magnet row" occurs.

(4) Therefore, phenomenon above is proving the thing that metals of the aluminum or the copper changed into the materials that had ferromagnetism to be adsorbed to magnet like the iron temporarily.

Reference to the photograph of clause (18) in Chapter 2

O. The process that "Inductive magnetic domain" is generated by "Magnet row"

- (1) When fuel oil moves in magnetic field of "Magnet row", the polarity on main surfaces of magnetic flux of the permanent magnets constituting "Magnet row" consisting of plural "Infinite magnetic field" changes in turn.
- (2) Therefore, "Inductive magnetic domain" of the polarity that is reverse to polarity of permanent magnet constituting "Magnet row" is generated sequentially in molecule of fuel oil moving.
- (3) In addition molecule of fuel oil is bound in the degree that can keep liquid condition with weak cohesion power by gravitation and fuel oil moves on surface of "Magnet row" as a whole at random.
- (4) When molecule of the fuel oil having already "Inductive magnetic domain" move in magnetic field of "Magnet row" more, receives an adsorptive power or repulsion by the main flux surface of "Magnet row" in turn.
- (5) Therefore, above-mentioned molecule of fuel oil becomes the molecule of fuel oil that have big special kinetic energy with "Inductive magnetic domain" consisting of the vector in a lot of different directions being accumulated already.
- (6) In addition, "Inductive magnetic domain" which is the smallest unit of special Magnetic energy accumulating in molecule of fuel oil, does not disappear immediately.
- (7) In addition "Inductive magnetic domain" in molecule of fuel oil extinguishes decreasingly according to passage of time.
- (8) Particularly, in the case of the electromagnet of "Trans-master" device "Inductive magnetic domain" saved to molecule of fuel oil already traces the passage of the time that is different from "E-oiler" device greatly and extinguishes decreasingly.

P. Phenomenon of the viscosity decline to occur regardless of the heat of fuel oil by "Infinite magnetic field"

- (1) After the test run of a car with "E-oiler" device, we can easily confirm phenomenon

of big decline of viscosity of residuum of fuel oil which is in a silky condition when residuum of fuel oil is taken out and is measured by observing and touching the residuum.

(2) On the other hand, using “Trans-master” device as car installation is difficult.

Therefore fuel oil is saved in receptacle being put outside of car beforehand.

(3) After fuel oil was saved in this receptacle, the fuel oil is introduced into

“Trans-master” device again and above work is repeated, and as a result becomes the fuel oil that has bigger kinetic energy by magnetism of molecule.

(4) Therefore, by “Trans-master” device we can easily certificate the phenomenon of the large decrease of viscosity of fuel oil already having big kinetic energy by magnetism in molecule in the receptacle of outside of car.

Q. Vaporization phenomenon not to need the heat in vaporization of fuel oil by “Infinite magnetic field”

(1) By “E-oiler” device fuel oil becomes the molecule accumulating the special kinetic energy by magnetism consisting of mixed conditions of “Inductive magnetic domain” with the vectors of various directions.

(2) Similarly, fuel oil becomes the molecule accumulating the special kinetic energy by magnetism that generates “Inductive magnetic domain” consisting of mixed conditions with the vectors of various directions by “Trans-master” device with alternating magnetic field.

(3) For that reason, without absorption and generating of heat the viscosity of fuel oil accumulating special kinetic energy by magnetism in molecule “Infinite magnetic field” being generated in “E-oiler” device or “Trans-master” device decreases greatly regardless of rise of temperature.

(4) By big special kinetic energy by magnetism in molecule being accumulated in molecule of fuel oil, the viscosity of fuel oil drops to the viscosity which is equivalent to the viscosity that is generated when has been heated to temperature of boiling point.

- (5) By the way, generally the temperature of molecule of fuel oil being heated rises in proportion to the increase of the kinetic energy by magnetism in molecule by heat, but the viscosity decreases adversely.
- (6) In addition, when fuel oil by "Infinite magnetic field" is heated, the kinetic energy by heat in molecule of fuel oil increases and evaporation pressure by heat attains to the limits.
- (7) On the other hand, the viscosity of fuel oil with kinetic energy by magnetism in molecule having been given does not come under the influence by the temperature at all.
- (8) Furthermore, the fuel oil by "Infinite magnetic field" being jetted into cylinder at first generates adiabatic expansion phenomenon and this adiabatic expansion phenomenon becomes trigger input of expansion phenomenon of explosive evaporation by magnetism similarly.
- (9) Therefore, evaporation expansion phenomenon by magnetism not to need the vaporization heat that is not thought conventionally occurs at all.

R. The main cause that expansion pressure of explosive vaporization by magnetism is generated by "Infinite magnetic field"

- (1) By the way, by "Infinite magnetic field" expansion phenomenon itself of evaporation by magnetism that vaporization pressure is increased by accumulating special kinetic energy by magnetism in molecule of fuel oil, is not under the influence of heating.
- (2) Because expansion pressure of explosive evaporation by magnetism of fuel oil by "Infinite magnetic field" becomes high pressure more than pressure in cylinder automatically, higher pressure more than high pressure in cylinder is generated necessarily.
- (3) Therefore expansion pressure of explosive evaporation by magnetism in cylinder by fuel oil of "Infinite magnetic field" is main cause of the occurring of new unknown motive power.

- (4) According to the test of a car, reduction effect of fuel consumption amount of diesel engine car (compression ratio:15~20) is more bigger too because being compressed pressure in cylinder of diesel engine car is more higher pressure than gasoline engine car (compression ratio:6~9)
- (5) Furthermore, "Diesel engine in common rail method" car of higher pressure in cylinder than conventional diesel engine car, shows bigger reduction effect of fuel consumption amount than conventional diesel engine car by expansive pressure of explosive evaporation by magnetism by fuel oil by "Infinite magnetic field".
- (6) Than the above, the expansion pressure of explosive evaporation by magnetism without heat that did not exist in conventional heat engine occurs and as a result unknown motive power is added to conventional expansion pressure of explosive combustion with heat in cylinder of engine.
- (7) By the way, because fuel oil spouts into air in the case of the use of fuel oil by "Infinite magnetic field" for burner of boiler, adiabatic expansion phenomenon and the thermal expansion phenomenon by heating become the trigger input that expansion phenomenon of explosive evaporation by magnetism occurs.
- (8) Therefore in burner of boiler by fuel oil by "Infinite magnetic field", expansion pressure of explosive evaporation by magnetism exceed atmospheric air pressure slightly automatically.

S. The sub cause that expansive pressure of explosive evaporation by magnetism is generated by "Infinite magnetic field"

- (1) The big special kinetic energy is generated in molecule of fuel oil by "Inductive magnetic domain" consisting of the vectors of every different directions of being accumulated with molecules of fuel oil by "Infinite magnetic field".
- (2) For that reason, viscosity of fuel oil declines greatly by the accumulation of big special kinetic energy by magnetism in molecule.
- (3) In addition, the fuel oil that viscosity was decreased greatly becomes "Ultra fine

particle" by effect of adiabatic expansion immediately after jet or inhalation into cylinder.

- (4) Therefore, as surface area in contact with air increases dramatically by becoming to "Super micro-particle" and the vaporization pressure of fuel oil reaches the bounds and the speed of vaporization of fuel oil rises at a stretch.
- (5) The speed of vaporization by magnetism of molecules of fuel oil increases at a stretch, furthermore, because vaporization pressure by heat is added to molecules of fuel oil by fuel oil being heated in cylinder.
- (6) Therefore, the increases of vaporization speed and vaporization pressure by accumulation of kinetic energy by magnetism in molecule of fuel oil and the increase of vaporization quantity become sub causes of occurring of expansive pressure by explosive vaporization by magnetism.

T. Schematic views to explain the generation of new unknown motive power in engine

(1) Please refer to figure 3.

special kinetic energy by magnetism in molecule of fuel oil is generated by special electronic energy by magnetism that is induced to the atom of fuel oil by "Magnetic row" consisting of "Infinite magnetic field".

(2) Figure 3 is showing the conditions that new unknown power by new expansion pressure of explosive vaporization by magnetism cylinder of engine is generated.

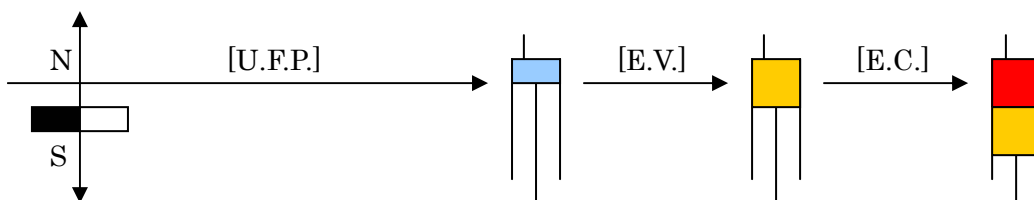


Figure 3

“Infinite magnetic field”

[U.F.P.] : "Ultra fine particle"

[E.V.] : The expansion pressure of evaporation by magnetism

[E.C.] : The explosion pressure of evaporation by combustion

(3) The part of light blue

The fuel oil by "Infinite magnetic field" being jetted into cylinder is showing the condition that became "Ultra fine particle".

(4) The part of brown

Figure 3 is showing the condition that piston of engine was pushed down by expansion pressure of explosive vaporization by magnetism of "Ultra fine particle" of fuel oil.

(5) The part of red

At first combustion in cylinder, the molecules of "Ultra fine particle" of fuel oil generates the expansion pressure of explosive vaporization by magnetism, and after immediately generates the expansion pressure of explosive combustion with the generation of heat.

(6) Therefore, the explosive expansive pressures of 2 kinds of different causes that were generated in molecule of fuel oil in cylinder are combined and push down piston with stronger pressure more than conventional pressure.

(7) As mentioned above, the stronger pressure that was generated by 2 kinds of different causes is generated in other molecule of fuel oil in parallel condition at random, and it expands to every molecules constituting "Ultra fine particle" of fuel oil.

(8) Please refer to figure 4.

Figure 4 is showing schematically in cylinder the course of the general conventional combustion of fuel oil.

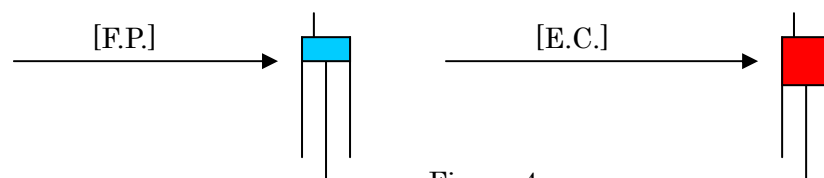


Figure 4

[M.P.] : "Fine particle"

[E.C.] : The explosion pressure of evaporation by combustion

(9) The part of dark blue

It is showing the condition that fuel oil being introduced into cylinder changes to "Fine particle".

(10) The part of red

It is showing the condition that piston was pushed down by expansive pressure by explosive combustion with the generation of heat.

U. The reduction technology of fuel consumption amount of engine by "Infinite magnetic field"

(1) The mixed gas that perfect combustion is possible, is constituted.

(2) According to the spark plug being made clean by the cleaning action by fuel oil by " Infinite magnetic field", the miss of ignition is not generated.

(3) Frictional resistance sliding surfaces facing each other between piston ring and inner wall in cylinder decreases by the ridding eccentric load operating to piston.

(4) The viscosity of engine oil decreases more because "Ultra-fine particle" consisting of molecule of fuel oil by "Infinite magnetic field" is added to the engine oil.

(5) As a result, the frictional resistance of sliding surfaces between piston ring and inner wall in cylinder decreases more.

(6) "After-burning" by combustion in cylinder is rid.

(7) The amount of pump work for pushing out exhaust gas from cylinder in exhaust process of engine decreases in proportion to the decrease of the exhaust resistance of adhered carbon to every inner walls of the exhaust pipes.

(8) By uniting each technology of reduction amount of fuel consumption of the above mentioned clauses (1)~(7),total quantity of reduction of fuel consumption amount is 3%~5% of the conventional rate of fuel consumption generally.



- (9) Therefore, above clause (1) ~ (7) show special effect to each improvements of performance by increment of engine speed by "Infinite magnetic field".
- (10) Similarly, above mentioned effects are generated too in every reciprocating engine regardless of "Fuel supply system" in engine.

V. Influences by "Infinite magnetic field" about the kinds in engine and fuel oil

- (1) Technology by "Infinite magnetic field" is the technology that generates special magnetic energy by magnetism in molecule of the every materials that have molecular components.
- (2) The Phenomenon beyond the concept of the conventional engine technology occurs by special magnetic energy by magnetism being generated to molecule of fuel oil by "Infinite magnetic field".
- (3) This phenomenon that changes the atom of fuel oil into the atom of high energy do not receive influence by differences of engines or molecular components in principle.
- (4) Therefore, we can generate unknown motive power by new expansion pressure of explosive vaporization by magnetism in engine in every kinds of the fuel oil that can vaporize by heating in combustion by technology of "Infinite magnetic field".
- (5) Therefore, because new expansive pressure by explosive vaporization without the generation of heat is generated in cylinder of engine by "Infinite magnetic field" the temperature in cylinder drops more than conventional temperature in engine, and for that reason, the difficult problem to solve as general engine technology does not occur.
- (6) The engine that expansion pressure of explosive vaporization by magnetism by "Infinite magnetic field" is generated in cylinder and can use new unknown power, is as follows
- (7) That is, there are gasoline engine and diesel engine and jet engine and gas turbine engine and steam turbine engine and rocket engine etc.

- (8) In the case to classify by methods of generating power in engine, first it is the torque by expansive pressure by explosive combustion with the generation of heat being generated in cylinder, and similarly another is driving force by expansive pressure by explosive combustion with the generation of heat being generated in chamber
- (9) In addition, as the fuel can be used for engine there are alcohol, gasoline, light oil, kerosene, heavy oil, liquefied natural gas, LP gas, hydrogen gas, distilled gas.

W. The use of "Trans-master" device in diesel engine of the truck

- (1) Small oil tank is used as circulating tank replacing the service tank of ship engine by the truck.
- (2) The small tank capacity is around 1,000 liters and can save the light oil of 4-8 trucks. This light oil is introduced into "Trans-master" device repeatedly and is given special kinetic energy by magnetism in molecule.
- (3) In the truck this method is more practical and is cheap and in comparison with "E-oiler" device . There are many profitable points in particular.
- (4) Reduction rate of fuel consumption amount of this case attains to 10% ~20%. Therefore, the recovery of initial investment is possible in around six months. Refer to the photograph of "parallel branch" device in clause (9) in Chapter 2

X. The influences by exhaust gas of "Diesel engine of common rail method" by "Infinite magnetic field"

- (1) In the case of " Diesel engine of common rail method" when the light oil in "Fuel injection system" that can generate very high jet pressure with attaining to 1,800 atmospheric pressure is jetted into cylinder, the special magnetic energy in molecule of the light oil generated by "Infinite magnetic field" can not be influenced and can not be attenuated at all by super high jet pressure.

- (2) According to the test run that fuel oil by "E-oiler" device or "Trans-master" device were used to new large truck of "Diesel engine of common rail method", as for the reduction rate of fuel consumption, usually it has made possible to gain surprising test result attaining to 10%~20%.
- (3) Especially, the system to attach plural "E-oiler" devices to the special parallel branch device beforehand are used to large truck and bus that consume big amount of fuel oil.
- (4) By the way, micro particulate material (PM10) in exhaust gas decreases in "Diesel engine of common rail method", but super micro particulate material (PM2.5) in the exhaust gas increases to the contrary.
- (5) Super micro particulate material (PM2.5) is new dangerous pollutant and it is the material which was already proved as causative agent of respiratory disorders such as lung cancer medically, but we are the condition that can not yet establish the effective method of reduction of super micro particulate material (PM2.5) in the world.
- (6) However, according to "Infinite magnetic field", the viscosity of fuel oil decreases dramatically and is jetted into cylinder and adiabatic expansion is made and is broken to smaller minute particles and is changed to "Ultra fine particle", and the fuel oil becomes the molecule in condition attaining to the limitation of vaporization pressure.
- (7) Furthermore, "Ultra fine particle" breaks up to smallest unit like molecule itself of fuel oil by combustion by chemical reaction with generation of the heat, and combines with molecule of oxygen and becomes to carbon dioxide and steam, and as a result super micro particulate material (PM2.5) is not almost generated.

Y. The influences by performance of "Diesel engine of common rail method" by "Infinite magnetic field"

- (1) Generally, according to "Fuel supply system" of a car, the driver can drive the car with optional velocity
- (2) That is, the driver can change the fuel supply amount of fuel oil being supplied to engine by controlling optionally "Fuel supply system" by accelerator, and as a result can control torque and speed of rotation of engine
- (3) "Diesel engine of common rail method" was developed to decrease the consumption rate of fuel oil and CO<sub>2</sub> being generated by combustion of fuel oil till the limits, and it has been spread widely in world now.
- (4) According to the fuel oil of "Infinite magnetic field", 10% ~20% of reduction rate that can not think conventionally at all in new truck of "Diesel engine of common rail method" can be achieved now.
- (5) By the way, the harmful exhaust gases such as carbon monoxide (CO) and hydro carbon (HC) and nitrogen oxides (NO<sub>x</sub>) and micro particulate material (PM<sub>10</sub>) and (PM<sub>2.5</sub>) are greatly cut down.
- (6) Because the temperature of combustion in cylinder in particular decreases, not only carbon dioxide (CO<sub>2</sub>) but also nitrogen oxides (NO<sub>x</sub>) are decreased greatly at the same time.
- (7) Because the combustion temperature in cylinder decreases the temperature of exhaust gas decreases too.
- (8) Therefore, the loss by the heat of exhaust gas and the loss by refrigeration in bustio "Calorific balance" of engine is decreased greatly and for that reason the consumption rate of fuel oil is cut down and similarly CO<sub>2</sub> is cut down too.
- (9) Furthermore, the torque and the speed of rotation in engine increase and performance of engine rises greatly.
- (10) On the other hand the temperature of com n in cylinder decreases, the life time of engine oil is prolonged greatly and as a result the life time of engine is prolonge

Z. The reason that the speed of rotation of output shaft of ship engine by "Infinite magnetic field" increases more than the speed of rotation of output shaft that was set up beforehand in "Electronic governor" in ship engine

- (1) Explosive expansion pressure that new unknown expansion pressure of explosive vaporization by magnetism by "Infinite magnetic field" was added to the expansion pressure of explosive conventional combustion with the generation of heat in cylinder of ship engine increases greatly.
- (2) Therefore, the speed of rotation of crank shaft being connected to a piston-rod by the expansive pressure that is generated greatly more than expansive pressure in conventional cylinder, increases greatly too more than conventional speed of rotation.
- (3) In this case, according to fuel oil by "Infinite magnetic field", the amount of fuel supply is decreased automatically adversely by "Electronic governor" because the speed of rotation of output shaft in engine is automatically increased.
- (4) The speed of rotation that was already increased is returned automatically to the speed of rotation being set already beforehand automatically by " Electronic governor" of the control board.
- (5) The extent of variation that can adjust to keep the speed of rotation of output shaft at numerical value being set by "Electronic governor" beforehand, only several percents of the number of rotation at most is thought.
- (6) However, the expansion pressure of explosive vaporization by magnetism by "Infinite magnetic field" reaches really 10%~20% of thermal expansion pressure by conventional explosion combustion.
- (7) Therefore, the increase of the speed of rotation of output shaft in ship engine by using fuel oil by "Infinite magnetic field" attains to 10% ~20% likewise.
- (8) The function of "Electronic governor" of control panel can adjust only several percent of the increase of the speed of rotation of output shaft in ship engine, but in comparison with this facts the increase of the rotary speed of output shaft in ship

engine by the technology of "Infinity magnetic field" is too big.

- (9) Therefore, the amount of the increase of the speed of rotation more than adjustable speed of rotation of output shaft in ship engine by the function of "Electronic governor" of control panel is remained finally as the speed of rotation in ship engine.
- (10) Therefore, the speed of rotation of output shaft in ship engine that exceeded greatly the speed of rotation setting in "Electronic governor" beforehand that can not think conventionally at all is generated.

AA. The effect and the proposal on "Fuel supply system" of reciprocating engine by "Infinite magnetic field"

- (1) About ship engine and forklift engine and power generator and construction machine by "Fuel supply system" in engine using fossil fuel oil, operator can't change fuel supply amount to send into engine optionally.
- (2) "Fuel supply system" in ship engine can always regulate automatically quantity of fuel oil supplied to maintain fixed speed of rotation in engine.
- (3) In spite of decrease of amount in fuel oil being supplied into cylinder, the speed of rotation in engine increases by fuel oil by "Infinite magnetic field".
- (4) By the way, the increase of new unknown motive power by expansion pressure of explosive vaporization by magnetism in engine by "Infinite magnetic field" appears as the increase of the speed of rotation on output shaft in ship engine.
- (5) Therefore, when we use fuel oil by "Infinite magnetic field" we can reduce high speed of rotation and return to conventional low speed of rotation of output shafts in the track or ship engine by the operation that wring and decrease amount of the supply fuel oil.
- (6) In this case, by above-mentioned operations for the reduction of fuel oil we can change all new unknown motive power energy being generated by the expansive

pressure by explosive vaporization by "Infinite magnetic field" to the reduction quantity of fuel oil entirely.

- (7) For that reason, in the track and ship engine we can actualize enormous amount of reduction of fuel consumption attaining to 10% ~ 20%, that is, it is possible only by easy operation wringing and decreasing supply fuel oil to engine beforehand.
- (8) Besides, CO<sub>2</sub> decreases automatically greatly too in proportion to decreasing greatly of fuel supply amount into cylinder automatically, and as a result Nox decreases greatly by the drop in temperature of combustion in cylinder at the same time.
- (9) In addition, there is possibility attaining to low temperature that Nox can not be generated in combustion by big decline of temperature in cylinder being accomplished by technology of "Infinite magnetic field".

BB. The influences on burner of boiler by "Infinite magnetic field"

- (1) The fuel oil having special kinetic energy by magnetism in molecule by "Infinite magnetic field", becomes flame consisting of combustion gas with high temperature by burning.
- (2) The special kinetic energy by magnetism in molecule does not receive any impacts by high temperature and high pressure.
- (3) Therefore, combustion gas constituting flame becomes various gases which had special kinetic energy by magnetism in molecule, and as a result viscosity of combustion gas greatly decreases too.
- (4) On the other hand, because spouting to the environment of air from the burner is one atmospheric pressure the vaporization gas of fuel oil by "Infinite magnetic field" becomes the expansion pressure more than one atmospheric pressure , as a result the vaporization gas becomes necessarily weak expansive pressure.
- (5) Therefore, the flame becomes the color with high temperature clearly because the

fuel oil by "Infinite magnetic field" is generated the stronger expansion pressure more than conventional expansion pressure of vaporization by magnetism and spouts into the air in more speed from burner and burns completely.

CC. Reduction effect of fuel consumption amount in burner of boiler by "Infinite Magnetic field"

- (1) Because the viscosity of fuel oil greatly decreases by evaporation pressure by magnetism of fuel oil being increased already by "Infinite magnetic field", the fuel oil becomes the fuel oil that is in the condition just before which completely vaporizes.
- (2) Therefore, fuel oil being jetted in the atmosphere becomes "Ultra-fine particle" with adiabatic expansion, and gasifies with higher speed of vaporization by heating in environment of air, and becomes the mixed gas that complete combustion is possible.
- (3) Furthermore, the flame of mixed gas that complete combustion has been possible with higher speed of vaporization and has been gasified, becomes jetting flow with higher speed more than conventional speed and in addition, the color of the flame changes into the flame of higher temperature in yellow nearly.
- (4) Of course, the supply amount of fuel oil to nozzle of burner is controlled in normal boiler so that is always with a fixed quantity.
- (5) Therefore, the heating by the jetting flow of flame of higher speed and higher temperature is faster and warms the boiler effectively and can reduce the consumption amount of fuel oil in spite of the supply amount of fuel oil being fixed according to the fuel oil by "Infinite magnetic field".

DD. Coefficient of thermal conductivity on the flame of fuel oil with burner of boiler by "Infinite magnetic field"



- (1) I think extremely thin film-shaped adhesive flow of the frame that generally is jetted from burner and occurs by the viscosity of frame consisting of combustion gas with high temperature, covers the bottom surface of boiler.
- (2) In addition, the combustion gas of the fuel oil that transmitting heat is difficult greatly and coefficient of thermal conductivity is extremely low each, is mixed gas such as steam gas (H<sub>2</sub>O) and oxygen gas (O<sub>2</sub>) and carbon monoxide gas (CO) and carbon dioxide gas(CO<sub>2</sub>) and nitrogen gas (N<sub>2</sub>) and hydrogen gas (H<sub>2</sub>) etc.
- (3) I call very thin sheet of adhesive flow of combustion gas covering the bottom surface of boiler "Insulated sheet of heat with combustion gas" tentatively.
- (4) In the case of the use with burner of the boiler of fuel oil by "Infinite magnetic field", big special kinetic energy by magnetism in molecule is generated in each combustion gases constituting adhering flow on "Thin insulating sheet of heat with combustion gas".
- (5) According to the technology by "Infinity magnetic field", "Thin insulating sheet of heat with combustion gas" adhering to the bottom of boiler by the decline of viscosity of various gases constituting combustion gas extinguish.
- (6) Therefore, according to the fuel oil by "Infinite magnetic field", we can achieve high reduction rate of fuel consumption amount that can not think conventionally at all by the improving dramatically coefficient of thermal conductivity of heat in the surface of the bottom of boiler.  
Please refer to a test document in clause (19) in Chapter 2
- (7) It describes below coefficients of thermal conductivity (Kcal/mh°C) of various gases that constitute the combustion gas mentioned above.

Oxygen gas (O<sub>2</sub>) = 0.026 : 100°C

Carbon monoxide gas (CO) = 0.026 : 100°C

Carbon dioxide (CO<sub>2</sub>) = 0.034 : 300°C

Nitrogen gas (N<sub>2</sub>) = 0.038 : 300°C

Steam gas (H<sub>2</sub>O) = 0.032 : 300°C

Hydrogen gas (H<sub>2</sub>) = 0.254 : 300°C

EE. The effect of "Infinite magnetic field" for the large-scale boiler of the thermal power plant and the nuclear power plant.

- (1) We can greatly increase “Exchangeable efficiency of heat” between the combustion gas and the bottom of boiler that "Thin insulating sheet of heat with combustion gas" adhering to the bottom of boiler was extinguished by "Infinite magnetic field", and as a result can greatly reduce fuel consumption amount too.
- (2) By the way, there are the methods of combustion system for large-scale boiler being used in the generating station as steam energy usually by the heating cold water flowing into pipe by heating outer surface of the pipe by combustion gas or boiling hot water.
- (3) In the case of system by heating the outside of pipe by combustion gas directly.
- (4) (A2) : Similarly with clause(1), the technology of "Infinite magnetic field" can extinguish thin flow adhering to the bottom of boiler by each combustion gases and for similar reason “Exchangeable efficiency of heat” between each combustion gases and the outside of pipe increases greatly.  
As a result, similarly technology of "Infinite magnetic field" can greatly decrease fuel consumption rate.
- (5) (B2) : Furthermore, the technology of "Infinite magnetic field" can extinguish thin adhesive flow with insulating sheet of heat by the viscosity of cold water having originally and can greatly increase “Exchangeable efficiency of heat” between cold water flowing into pipe and inner wall of the pipe.  
As a result similarly the technology of "Infinite magnetic field" can greatly reduce fuel consumption rate.
- (6) (C2) : Because the effects of clause (A 2 ) and clause (B 2 ) are generated at the same time for that reason the effect of epoch-making reduction of fuel consumption rate that can not think conventionally is generated.
- (7) In the case of system heating the pipe by boiling hot water directly.

- (8) (A3) : Similarly with clause (1), the technology of "Infinite magnetic field" can extinguish thin adhesive flow with insulating sheet of heat by boiling hot water and can greatly increase "Exchangeable efficiency of heat" between boiling hot water and the outside of pipe.  
As a result, similarly the technology of "Infinite magnetic field" can greatly reduce fuel consumption rate .
- (9) (B3) : Furthermore, similarly with clause (3), the technology of "Infinite magnetic field" can greatly increase "Exchangeable efficiency of heat" between cold water flowing into pipe and inner wall of pipe.  
As a result the technology of "Infinite magnetic field" can greatly reduce fuel consumption rate.
- (10) (C3) : Because the effects of clause (A 3 ) and clause (B 3 ) are generated at the same time the effect of epoch-making reduction of fuel consumption rate that can not think conventionally is generated.
- (11) The economical effect is especially big because each reduction effects of fuel consumption amount of clause (1) and clause (2) are attainable particularly in the system of large-sized power generator according to technology of "Infinite magnetic field", and at the same time, the effect for environment with large curtailment of CO2 is expected too.

FF. Other applications of new technology by "Infinite magnetic field"

- (1) We might generate new active materials of various kinds of battery that generate abnormal high voltage that can not think at all conventionally by the using "Infinite magnetic field".
- (2) Non fixed concrete needs the water of the least amount for ramming perfectly the concrete into the limited spaces.
- (3) However, the water of the minimum quantity mentioned above is exceeding the quantity of water that can acquire the greatest intensity of concrete.

- (4) In addition, the water which exceeded the quantity of water that can acquire the greatest intensity of concrete by technology of "Infinite magnetic field" is released to the outside of concrete in condensation process of concrete.
- (5) Therefore, we can greatly increase the intensity of concrete till degree that can not think in the technology about concrete at all until now.
- (6) As a result, there is the possibility that we can realize the dream technology being useful for many constructions greatly.
- (7) The removal by precipitation of the colloidal substance in the colloidal solution. The removals of the slime, putrefaction material, the iron rust on inner wall of pipe.
- (8) We can sterilize the various germs of tap water by "Infinite magnetic field". That fact has been proved on the test of the public organization of inspection of the tap water already.
- (9) By "Infinite magnetic field" the smells of the nature raw materials (for example, an inorganic material and an organic material and particularly wood and food etc.) are emphasized more and the properties of the nature raw materials are emphasized more usefully too.
- (10) On the other hand, the smells of the man-made synthetic materials (for example, particularly harmful chemical medicines) are deodorized, and the man-made synthetic materials are changed to useful properties too.
- (11) The bacteria of disliking oxygen causing putrescence are sterilized, and as for the aerobic bacteria such as yeast funguses, promote growth.
- (12) For example, the harmful mold does not be generated without heating about the wash water including the carbohydrate of the food at all.
- (13) For that reason, the phenomenon to change wash water of food including the carbohydrate into ethyl alcohol without adding heat is generated by the technology of "Infinite magnetic field" truly.

GG. Ultimate reduction method of fuel consumption amount in engine that can be accomplished by technology of "Infinity magnetic field"

- (1) The attainment is possible by the method that raises necessarily expansion pressure of explosive evaporation by magnetism of fuel oil by increasing further pressure in "Top dead center" in the compression process of piston motions and makes unknown motive power more bigger and reduces the fuel consumption amount greatly.
- (2) Therefore, the attainment is possible concretely by the method that the compression ratio is maximized in cylinder of diesel engine and maximizes the compression pressure in the cylinder just before the injection of fuel oil basically.
- (3) On the other hand, the achievement is possible by method of the processing of contact faces of permanent magnets constituting "Infinite magnetic field". Therefore, accurate process of surfaces of permanent magnets coming in touch to the limit that "super electromagnetic induction phenomenon" can occur, is needed.
- (4) In addition, the molecular size of fuel oil is much small in comparison with the measurements of a space in contact surfaces of the permanent magnets that constitute "Infinite magnetic field", and the diameter of the molecular size is the extent of  $1/10^6 \sim 1/10^7$  millimeters.
- (5) Therefore, according to the method mentioned above the changing rate of magnetic flux density on "Faraday's law" is significant enough.
- (6) Therefore, we can change the atom of fuel oil to ultra-high energy atom by the highest electronic energy of magnetism being induced to the atom of fuel oil.
- (7) According to "Infinite magnetic field" being improved by the counter-plan of above-mentioned clause (1) and clause (3), the percentage of the expansive pressure by explosive vaporization to thermal expansive pressure by conventional explosive combustion can be increased drastically.
- (8) As a result, the bigger reduction rate of consumption amount more than the reduction rate of consumption amount of fuel oil attaining to 10%~20% by

conventional "Infinite magnetic field" are possible.

#### HH. The effect and the future about new technology of "Infinite magnetic field"

- (1) By "Infinite magnetic field" special kinetic energy by magnetism in molecule is generated in each molecules of fuel oil and air and the water, etc.
- (2) Furthermore it is confirmed now by many tests that more useful phenomenon that is not thought conventionally about fuel oil and air and the water is generated.
- (3) In addition, more unknown synthetic materials and chemical reactions which do not exist conventionally might occur by new technology of "Infinite magnetic field".
- (4) Therefore, we might discover new many phenomenon that cannot exist conventionally by the technology of "Infinite magnetic field" by changing the atom of more materials into a high energy atom more.
- (5) If we research the using of technology of "Infinite magnetic field" in every departments of industry widely, as a result, the new technology may bring revolutionary variation for every industry.
- (6) By above mentioned new technology by "Infinite magnetic field" to generate new unknown motive power by new expansive pressure of explosive vaporization by magnetism in engine is new third technology on energy following after general heat energy and atomic energy.

#### II. Possibility of dream engine not to produce CO<sub>2</sub> by the technology of "Infinite magnetic field"

- (1) By the technology of "Infinite magnetic field" when the fuel oil is jetted into cylinder and evaporates in cylinder of engine the evaporation phenomenon that is not thought conventionally and does not need any heat for evaporation at all is generated.

- (2) Therefore, any fuel oil is not necessary when generates motive power by pushing down the piston in cylinder by expansion pressure of explosive evaporation by magnetism.
- (3) For example, we can use only expansion pressure of explosive evaporation by magnetism by liquid freon being given high kinetic energy by magnetism in molecule by technology of "Infinite magnetic field" as motive power in engine.
- (4) Therefore, there is the possibility that we can develop the engine that can drive with temperature of cylinder being equivalent to atmospheric temperature always by motive power without occurring heat by liquid freon unlike heat engine by fossil fuel generating conventional heat.
- (5) On the other hand, the liquid freon being given high kinetic energy by magnetism in molecule by the technology of "Infinite magnetic field" is pressed and is jetted from nozzle of super high pressure into cylinder of high pressure by the battery of external power source.
- (6) Furthermore, we might be able to perform the work that expansion pressure of explosive evaporation by magnetism by adiabatic expansion of liquid freon occurs and pushes down a piston and rotates output shaft of engine.
- (7) Freon gas expanding pressure of explosive evaporation by magnetism in cylinder are withdrawn in exhaust stroke of cylinder and are pressed and is restored to liquid again, and high kinetic energy by magnetism in molecules are given to liquid freon again by "Infinite magnetic field" and are jetted from nozzle into cylinder. As noted above, liquid freon is used as a circulation medium of motive power.
- (8) Therefore, the pipe for exhaust is unnecessary in the engine using liquid freon.
- (9) In addition, liquid freon is pressed, and by electric power of battery of external power source liquid freon of small amount is jetted from nozzle with super high pressure into cylinder, and this electric power is used for making "Ultra-fine particle" by adiabatic expansion of liquid freon being jetted.

- (10) In this case, electric energy of battery being supplied from external is smaller more than the energy of motive power in engine by the liquid freon high kinetic energy by magnetism in molecule being given by "Infinite magnetic field".
- (11) Therefore, as net energy we can get energy being equivalent to the difference between electric energy of the battery that uses up by liquid freon being jetted into cylinder and motive power energy that is generated by explosive evaporation of liquid freon in cylinder.
- (12) This net energy is available freely and we can use this energy as motive power of engine and can use this energy too as electric energy by generator to drive.
- (13) By technology of "Infinite magnetic field", motive power energy in engine to use liquid freon might become new epoch-making technology on the energy that can solve various difficult problems about generating energy at a stretch.
- (14) That is, first there is difficult problem of the danger of radiant rays not to be able to control in nuclear power generation, and second there is difficult problem of thermal energy using fossil fuel generating CO<sub>2</sub> in thermal power generation, and third there is difficult problem of uncertain natural energy changing greatly by weather and landform in power generator.
- (15) According to the technology of "Infinite magnetic field" we might be able to generate this energy and might be able to supply this energy and might be able to use this energy freely.
- (16) Furthermore we might be able to use at necessary time, and in necessary place, and only necessary amount, without not giving any influence to environment and receiving any constraint.
- (17) The energy mentioned above might be energy technology of the ultimate dream of cheap of the cost that special storage battery does not need.
- JJ. Possibility of new engine with liquid freon by technology of "Infinite magnetic field" by estimation about the input energy or output energy



- (1) A. The work amount done to be caused by "Infinite magnetic field" :  $P_e$  HP  
(horse-power = Kg-m / sec )  
B. The work amount done to jet of liquid freon by super high pressure from nozzle:  
 $P_n$  HP (horse-power = Kg-m / sec)  
C . All quantity of mechanical loss to let an engine work effectively:  $P_k$  (Kg-m / sec)

(2) The engine with liquid freon by " Infinite magnetic field" mentioned above has possibility by working as new engine by generating new motive power when the work amount in clause A is larger more than total work amount by clause B plus clause C.

(3) Needless to say, output is generated by fuel oil being supplied cylinder from external and being burned as input energy in conventional engine.

(4) In other words, the new engine produces output by the supplying liquid freon into cylinder that did the input energy to high energy by "Infinite magnetic field" by using structure of basically conventional diesel engine.

(5) Condition of the test calculation

I suppose that in diesel engine with conventional light oil and with new liquid freon, all influences to output by functions in engine except for energy by supplying from external, is the same..

Condition 1: Cylinder capacity: 1,500cc. The number of a rotary : 1,000rpm.

Regular output: 80HP.

Injection pressure of nozzle is assumed 1,800 atmospheric pressure.

Condition 2: Quantity of liquid freon jetted from nozzle by a cylinder is assumed 2cc / time.

Condition 3: The reduction rate of fuel consumption amount with liquid freon is applicable to the reduction rate of fuel consumption amount by fuel oil attaining to 10%~20%.

Condition 4: The generation rate of the work amount ( $P_e$ ) by "Infinite magnetic field"

(42)

is proportional to the rate of occurrence of expansion pressure of explosive evaporation by magnetism with liquid freon.

(6) P e: The work amount being caused by "Infinite magnetic field"

$$\begin{aligned} P_e &= 80 \text{ HP} \times (10\% \sim 20\%) / 100 = (8 \sim 16) \text{ HP} \\ &= (8 \sim 16) \text{ HP} \times 75 \text{ Kg-m / sec} \\ &= (600 \sim 1,200) \text{ Kg-m / sec} \end{aligned}$$

Condition 5: The engine becomes rotary number (Rf) only with liquid freon.

$$R_f = (10\% \sim 20\%) \times 1,000 \text{ rpm} = (100 \sim 200) \text{ rpm}$$

Condition 6: Quantity (Q f) P of liquid freon being jetted for one second from the nozzles of all cylinders.

$$\begin{aligned} Q_f &= 2 \text{ cm}^3 \times (100 \sim 200) \text{ rpm} / 2 \text{ (4 サイクルエンジン)} \\ &= (100 \sim 200) \text{ cm}^3 / \text{rpm} \\ &= (100 \sim 200) / \text{rpm} / 60 = (1.67 \sim 3.33) \text{ cm}^3 / \text{sec} \end{aligned}$$

Condition 7: About a cross section of the nozzle (S n) .

A nozzle diameter is assumed 0.1mm. (the nozzle in diesel engine of common rail form)

$$S_n = \pi \times 0.005 \text{ cm} \times 0.005 \text{ cm} = (7.85 / 10^5) \text{ cm}^2$$

Condition 8: The speed (V f) of liquid freon passing nozzle assumes migration distance of one second

$$V_f = Q_f / S_n$$

$$\begin{aligned} &= (1.67 \sim 3.33) \text{ cm}^3 / \text{sec} / (7.85 / 10^5) \text{ cm}^2 \\ &= (0.213 \sim 0.424) \text{ cm} / \text{sec} \end{aligned}$$

Condition 9: Migration distance for one second (equivalent to: V f) of liquid freon and sum total of migration distances (L r) of liquid freon being jetted for one second from all nozzles is equal.

$$L_r = V_f = (0.213 \sim 0.424) \text{ cm} / \text{sec}$$

(7) Pressure of liquid freon adding nozzle cross section increases

$$\begin{aligned} P_{fr} &= 1,800 \text{ Kg/cm}^2 \times S_n \\ &= 1,800 \text{ Kg/cm}^2 \times 7.85 / 10^5 \text{ cm}^2 \\ &= 141.3 \text{ Kg} \end{aligned}$$

(8) The work amount by the nozzle injection pressure of super high pressure.

$$\begin{aligned} P_n &= P_{fr} \times V_f \\ &= 141.3 \text{ Kg} \times (0.213 \sim 0.424) \text{ cm} / \text{sec} \\ &= (30.1 \sim 59.9) \text{ Kg-cm} / \text{sec} \\ &= (0.30 \sim 0.60) \text{ Kg-m} / \text{sec} \end{aligned}$$

(9) P<sub>k</sub>: The quantity of mechanical loss to let new engine work effectively.

Condition A: 35% of the supply fuel oil become validity work amount in "Calorific balance" of all supply fuel oil of diesel engine, and around 15% of the supply fuel oil become the quantity of mechanical loss.

Condition B: The driving method of new engine is limited to the reciprocating motion. The rotary engine is excepted because the quantity of mechanical loss is not proportional to the speed of rotation and output in the driving method.

Condition C: The quantity of mechanical loss is estimated at around 15% about liquid freon by "Infinite magnetic field" similarly  
Particularly in this case, because the quantity of exhaust loss and the quantity of cooling loss become zero, "Calorific balance" of all supply fuel oil except the quantity of mechanical loss become validity work amount.  
Therefore, validity work amount can be estimated at 85%.

Condition(10): The quantity of mechanical loss in engine with liquid freon by "Infinite magnetic field" (P<sub>k</sub>)

(10) P<sub>t</sub>: Sum total of "Calorific balance" being necessary to exist as a engine by liquid freon by "Infinite magnetic field".

$$\begin{aligned} P_t &= P_n + P_k \\ &= (0.30 \sim 0.60) \text{ Kg-m} / \text{sec} + (90 \sim 180) \text{ Kg-m} / \text{sec} \\ &= (90.3 \sim 180.6) \text{ Kg-m} / \text{sec} \end{aligned}$$

## (11) Output of new engine power of liquid freon by "Infinite magnetic field"

because the quantity of exhaust loss and the quantity of cooling loss in new engine do not exist, "Calorific balance" of all supply fuel oil except the quantity of mechanical loss become validity work amount. (validity horse power).

$$\begin{aligned} P_e - P_t &= (600 \sim 1,200) \text{ Kg-m / sec} - (90.3 \sim 180.6) \text{ Kg-m / sec} \\ &= (509.7 \sim 1,019.4) \text{ Kg-m / sec} / 75 \text{ Kg-m / sec} \\ &= (6.8 \sim 13.6) \text{ HP} \end{aligned}$$

## "Conclusion"

- (1) The above calculations are under many uncertain suppositions and dogmatism, therefore, they must be investigated appropriately.
- (2) The generating power of new engine is small with (6-13) HP, but thermal energy by conventional supply fuel from external is not needed at all.
- (3) There is a possibility that new engine has function of engine by giving special kinetic energy by magnetism in molecule as supply energy from external that become circulation medium of liquid freon by "Infinite magnetic field".

End

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