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On the second characteristic of energy----Analysis of the principle of energy replication

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ABSTRACT. *Through theresearch, the theory of energy replication is made perfect and the energy replication principle machine is made to verify the theory of energy replication. It is clear that energy has two characteristics: 1. The energy conservation characteristic which is general cognitive; 2. The self-replication shown by the energy under a certain condition.*

Keywords*: Compressed air, water, cylinder, piston, intake valve, vent valve, inlet valve, outlet valve.*

1. INTRODUCTION

The first reason: If the energy conservation is the only characteristic of energy, then humans may not even fly out of the earth. Only a few people have come to space until now, but they have already consumed out a large amount of earth resources. In accordance with the energy conservation (Energy will not produce for no reason),the total amount of energy is constant, that is to say, since energy is not produced for no reason, the total amount of energy which presents on the earth is limited. If we want to bring all people out of the earth, then if we hollow out the whole earth, the energy required still won’t be met. Human beings have no idea to obtain more extra energy, then humans don't have the true ability to get rid of the shackles of the earth, so the earth is a "Cage". How much is the difference of the fate of human beings and that of dinosaurs? If God did not give up humans, then it is inevitable to leave a way for human beings to freely move through space and get out of the dependence on the resources of the earth. Therefore, there must be another cognition of the energy characteristics, not just the energy conservation that we sit idle and everything will be used up.

2. MODEL RESEARCH

The second reason: The countries will not hesitate to find various reasons for the energy war. To avoid large-scale wars around the world, there is only one nuclear competition between them. "You have nuclear weapons, I also have, who is afraid of anyone, or everyone is over." This is a gambler mentality and the gambling behavior.

It is the gambling between the states. It is too dangerous for human beings to stay in such a "Gambling state". One day sooner or later, the contradiction is not reconciled, and the Third World War must be an unprecedented fierce nuclear war, as well as the greenhouse effect of global warming, smog, famine. This situation is due to the one-sidedness of human cognition onthe energy characteristics! How will human beings maintain its survival when the earth's resources are exhausted?

Theoretical model of energy replication: The total amount of the energy entering the cylinder <The total amount of the energy exhausted out of the cylinder.

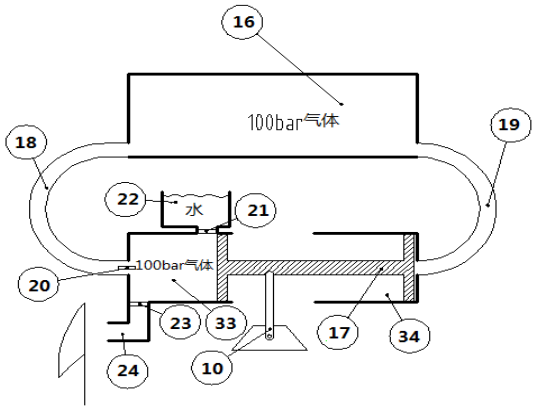

Fig. 1Intake valve on the left is opened

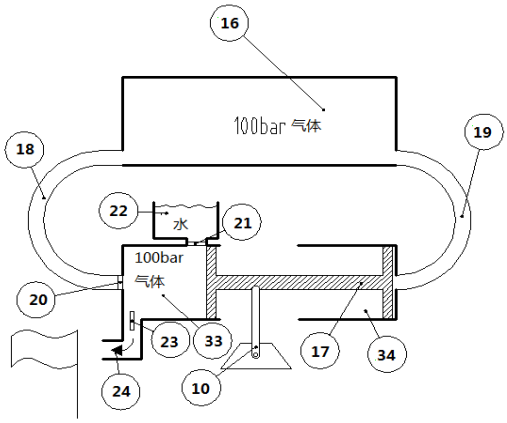

Fig. 2 Intake valve on the left is opened closed

In Figure 1, when the intake valve on the (20) left is opened, the left and right sides of the (17) piston are caused to be equally pressed from inside the (16) air bag, so the piston can be moved to the right with a small external force. The (33) left

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cylinder is filled with 100 bar of gas inside, and the (10) fixing rod is fixed with the groove of the (17) piston.

In Figure 2, the (20) left inlet valve and the (21) left influent valve are closed, and the (10) fixed rod is fixed with the groove of the (17) piston. Open the (23) outlet valve, 100 bar of compressed gas is ejected from the (24) outlet, and 100 bar of gas inside the (33) left side of the cylinder can ejected from the (33) left cylinder.

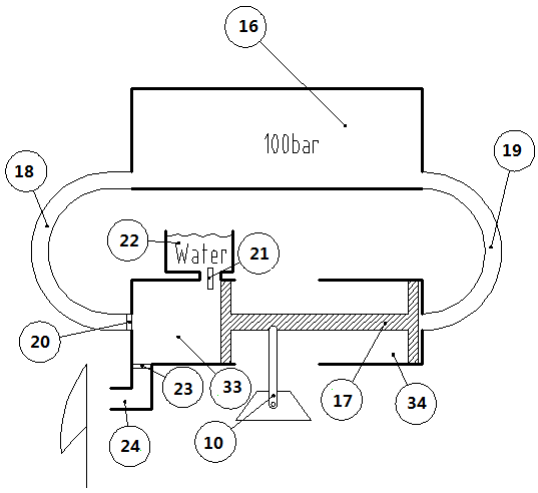

Fig. 3 Compressed Gas Exhaust in Left Cylinder

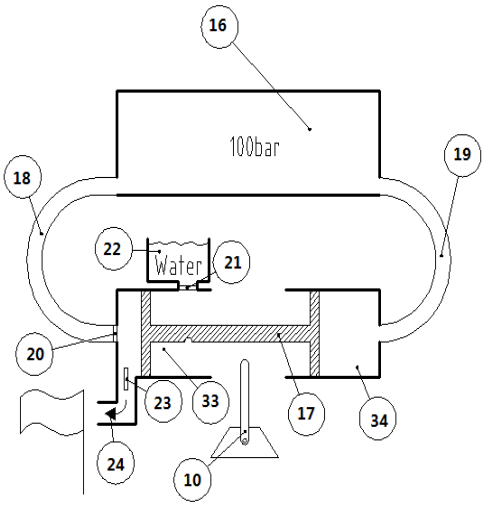

Fig. 4 Fill left cylinder with water

In Figure 3, when the compressed gas in the (33) left cylinder is exhausted, the (23) outlet valve and the (20) inlet valve are closed, the (10) fixed rod is fixed with the groove of the (17) piston, the (21) influent valve is opened and the water flows in and fills the (33) left cylinder.

In Figure 4, after the water is filled into the (33) left cylinder, the (21) influent valve and the (20) inlet valve is closed, the (10) fixed rod is removed, the (24) outlet valve is opened, and the (17) piston is pushed by the pressure of the highly compressed gas inside the (16) air bag, then the (17) piston moves to the left, and the water is pressed out from the (33) left cylinder. When the water is completely pressed out from the (33) left cylinder, the (21) inlet valve and the (23) outlet valve is closed, and the (20) inlet valve is opened. Example 1, Example 2, Example 3, Example 4 actions are repeated into circulations.

When the total energy value of the compressed gas entering the cylinder is equal to the total energy value of the compressed gas discharged from the cylinder, the piston presses the water to eject, and the total energy value of the released water is the energy replication result. The total energy value entering the cylinder <the total energy value of the discharge cylinder.


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Fig. 5 Test Report

The data in the above photographs is issued by an authoritative national testing unit that clarifies that more energy is obtained at the exit of the machine after tthe conversion by the energy replicator.

The first step: The compressed gas enters the cylinder through the cylinder inlet to force the piston to move, and the piston is pressed by the pressure of the compressed gas to move, so that the water on the other side of the piston is pressurized from the outlet of the cylinder. The value of the three discharge pressures measured from the cylinder drain port is 0.08Mpa; The effective cylinder

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volume is: 635cm 3; The total energy value of the water is calculated as the following formula: W=PV=Pressure (Measured by the pressure gauge)× Volume of water (The effective volume of the cylinder)

The second step: The pressure value of the compressed gas entering the cylinder and the discharge cylinder is the same for the three detections, which are respectively: 0.1345 Mpa, 0.1340 Mpa, 0.1275Mpa; The effective volume of the cylinder is stable: 635cm 3; According to the volumetric work formula: W = PV = Pressure (Measured by pressure gauge) × gas volume (The effective volume of cylinder); Therefore the ratio of the total value of the compressed gas energy entering the cylinder to the total value of the compressed gas energy discharged from the cylinder is equal to 1:1

The third step: The pressure value measured for three times by the cylinder drain port is 0.08 Mpa, and the pressure values measured for three times by the compressed gas entering the cylinder are 0.1345 Mpa, 0.1340 Mpa and 0.1275 Mpa respectively; Therefore, the ratio of the pressure measured by the cylinder drain port to the pressure of the compressed gas entering the cylinder is 0.08 ÷ 0.1345 = 0.5948; 0.08 ÷ 0.1340 = 0.5970; 0.08 ÷ 0.1275 = 0.6275

The fourth step: 1 According to the above data, the volume of compressed gas and water entering and leaving the cylinder is the same; 2 The total value of the compressed gas energy entering the cylinder is the same as the total value of the compressed gas energy discharged from the cylinder, and the ratio is 1:1; 3.The ratio of the pressure contained in the water from the cylinder drain to the compressed gas entering the cylinder is 0.5948, 0.5970, 0.6275; The ratio of the total energy of the compressed gas entering the cylinder to the total energy of the compressed gas exiting the cylinder is 1:1. According to the above data calculation results, the total value of the measured energy entering the cylinder and the total value of the energy exhausted out of the cylinder are 1:1.5948, 1:1.5970, 1:1.6275 (So the total value of the energy entering the cylinder <that of the energy exhausted out of the cylinder)); However, according to the law of the energy conservation that" The total energy of the isolated system remains unchanged", and the total value of the energy entering the cylinder = The total value of the energy exhausted out of the cylinder (1:1), so the result defined according to the law of the energy conservation is far from that obtained by repeated measurements with the energy utilization principle machine.

Energy replication principle machine: Its core structure includes: One cylinder, one piston existing in the cylinder, four valves (Including one intake valve, one outlet valve, one inlet valve, one outlet valve); The law of the operation of the machine is: In taking, drain aging, exhausting air, and entering water. The medium used: 1, Compressed gas 2, Liquid (water or oil). The fluid used is a low velocity flow with a flow rate below Mach 0.3 (In continuum mechanics, an incompressible flow means that under certain conditions, a compressible fluid will have a non-compressed flow, which means the flow whose density does not change, where the fluid tends to be stable. Since the fluid density does not change, the intermolecular repulsion between the compressed gases does not change, and the temperature and pressure of the compressed gas will not change. The ideal flow caused by this low-

speed flow can greatly simplify the theoretical analysis. The dominant equation of the material flow can be greatly simplified. Just like the case of low-speed flowing liquid, using incompressible analysis for low-speed flow gas can also obtain good and same result as a low-speed flowing liquid. Because any one of the pressure, density, and temperature of the compressed gas changes, the other changes occur synchronously. Therefore, when testing the energy utilization principle, only the pressure and volume of the fluid need to be detected, and the energy value contained by the low-speed fluid can be accurately calculated.

[In case: The flow rate of fluid (Compressed gas, liquid) is greater than Mach 0.3, then the aspect to be considered will be greatly increased. Because when the fluid velocity exceeds Mach 0.3, the density change of the fluid is not negligible, it is a compressible flow. In a compressible flow, it is necessary to increase the fluid density and the temperature and the pressure change accordingly. As the variables increase, the number of the control equations required and the complexity of the solution are greatly increased. So when analyzing this problem, it is simple and straightforward to only consider the low-speed flow.]

3. CONCLUSION

For future: Energy replication machines produced based on the energy replication theory can be used for the autonomous power generation in the automobiles, ships, airplanes, robots, homes, and businesses (The car will no longer act as a machine that consumes energy, but instead become a constant energy producer equipment; When the drone does not give it instructions to stop flying, it will keep flying in the air, one after another, which is expected to replace the satellite.) This theory guarantees that the energy is inexhaustible. It will completely replace the hydropower, wind power, photovoltaic power, nuclear power, and thermal power. Humans will no longer need oil, kerosene, natural gas, shale oil, and nuclear materials. They will no longer seek energy and avoid the pollution of the non-renewable energy. Its popularity will directly affect the entire global economic and political system. There is no more smog, greenhouse effect, no energy war, completely eliminating hunger (The future energy acquisition is costless and unlimited, and it can provide 24 hours of unlimited illumination to promote the plant photosynthesis and accelerate the plant growth, shorten plant growth cycle. Plant production has increased dramatically, which is used for human consumption and animal husbandry. At this time, it is to completely eliminate hunger) to determine that it completely rewrite the unshakable position of the process of human civilization.

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