

GRAVITY POWER GENERATION

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ABSTRACT

Gravity power generation is basically obtaining electrical energy from the use of gravitational force i.e. using motion of object which moves under the action of gravity force to generate energy. This mechanical document consists of one such mechanism which uses gravity as a source to make power by first converting it into mechanical work and then convert it to generate required energy using generator.

Keywords: Compound Mechanism, Energy, Generator, Gravity, Pin Wheel.

I. INTRODUCTION

During the last few decades power requirement has reached to high extent, for various purposes, due to ever increasing population, development and modernization. Power can be harnessed through various methods using Renewable energy source or Non-Renewable energy source. But all this method used to produce electricity, have their own limitations and energy can be grasped only in a specific quantity and only for some extent. Therefore there is vital need for having a source which would generate power overcoming these limitations. Gravity is one such source which can serve our purpose.

Gravitational force is force that attracts any object with mass. The primary objective is to provide a gravity power generation mechanism which can continuously convert gravity potential energy into kinetic energy. This motion is converted into circular motion and is then converted into electricity using a generator.

Thus in this paper we are mainly concerned with study of power generation using a technique which produces power from gravity force.

Gravity engine is a free energy generator that apparently harnesses power of gravity and use it to make mechanical work.

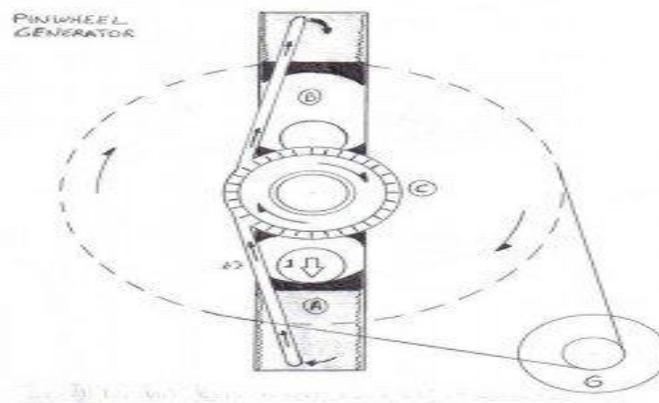


Fig.1: Pinwheel Generator.



II. LITERATURE REVIEW

The motion of celestial bodies such as a moon, the earth, the planets etc. has been a subject of great interest for a long time. Famous Indian Astronomer and mathematician, this motion and wrote his conclusion. About a thousand years after Aryabhat, the brilliant combination of Tycho Brahe[1546-1601] and Johanaase Kepler[1571-1630] studied the planetary motion in great detail. They all came to point that there must be a force responsible for such a motion.

The year 1665 was very fruitful as a question strike before Sir Issac Newton, that what is the force that produces this acceleration? Thus this force that pulls objects toward center of the earth was found out and proved, to be named as, Gravitational force. Various mechanisms are further developed to utilize this gravitational force for producing required power.

Maximo Gomez-Nacer have designed a system of obtaining electricity by means of use of the force of gravity, by incorporating pendulums whose weight and velocity provide energy for electricity generation.

Another such mechanism is developed by Chun-Chan Wang [Kaohsiung City] which generates energy using gravity conversion unit that produces positive torques by adopting outward-spreading single directional swing arms and reduces the negative torques by cooperating with folding action of single directional swing arms.

III. EXPERIMENTAL METHODOLOGY

There are different experimental methodologies to generate power from gravitational force. In this paper we are basically explaining about pin wheel mechanism. This mechanism is used in gravity engine as explained below to harness electricity.

WORKING

The generator used is an energy generator with weight ball descending down the bottom cylinder, it forces the liquid out of the cylinder, through the Pelton wheel (turning the wheel and the generator), and then goes into the upper cylinder. When ball comes at extreme bottom of the cylinder, the weight of liquid and its mechanism gets concentrated in upper and right side cylinders, thus over-balancing the mechanism and rotates to the right when unlocked.

While descending down ball also presses down on the unlocking mechanism of the gravitational engine, it thus compresses the spring mechanism (inverted automobile leaf spring) within ball saddle. As the cylinder rotates to the left after being emptied, the leaf spring (having a push-bar) pushes the weight ball away from saddle and towards the axis where magnetic attraction can hold the ball in place. This action removes the only weight resistance to 90degree rotation, insuring generators operation.

If the ball weighs 27215.544 kg, the energy in the spring can equal 27215.090 kg. Once the ball unlocks the mechanism, the spring bar pushes the lower cylinder out of the stop block. This push, along with the over-balance, causes the whole mechanism to rotate 90degrees, thus rotating the right side cylinder to become the lower cylinder, and then allowing weight ball to descend-producing electricity.

The cylinders that are opposite to each other are connected with each other by an air venting pipe, so that as the liquid enters the top cylinder, the air it is displacing goes out the pipe and into the bottom cylinder, being assisted by the vacuum being created in the bottom cylinder by its ball descending.

This process continues perpetually.

This free energy generator can function because the laws of entropy prevent only singular mechanisms from performing perpetually because they need to use the energy they produce to recycle themselves. Being a compound mechanism, this generator does not.

The energy is generated, "gravity rotates it".

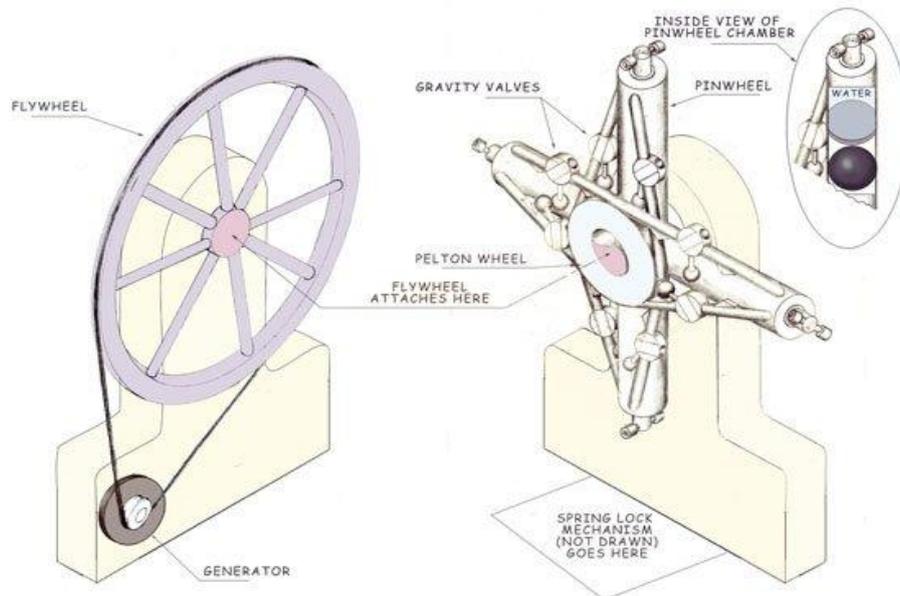


Fig.2: Gravity Engine

IV.ADVANTAGES

1. Available 24*7.
2. Utilize at any place on earth.
3. Small energy input to perform a long time energy conversion.
4. Eco friendly and pollution free.
5. This energy source will remain forever.

V. CONCLUSION

The gravity power generation mechanism of the present invention utilizes a gravity energy conversion unit to which can provide a continuous and stable operation to continuously convert the gravity potential energy into the kinetic energy and then into electric energy so as to perform a long-time, effective and stable energy output. The present invention not only can independently generate electricity but can be parallel connected to the Wind power and the solar power generation systems to generate electricity. Thus in this paper we studied a power generation mechanism

That produces power from gravity having a simplified structure as well as is Eco friendly and which would overcome the present problems of pollution and global warming faced by other power generation methods.

We take this opportunity to express our gratitude to our teachers, our friends who have given their valuable contribution to complete our paper. Finally, we thank our family members for their support continuous encouragement throughout the completion of our project.

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