

ENERGY SAVING BLENDING MACHINE

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ABSTRACT

The Existing Blender machine start rotating as the electricity is provided to the motor. The motor converts to the electrical Energy into mechanical energy. In between these process some energy losses. So the references of recent version we have modify blending machine, which will work on energy principle Albert Einstine that will save the energy. The Principle states as"“Energy cannot be created nor destroyed; it can only be changed from one form to another.”(Albert Einstein).

The working of our project, the battery supply power to the middle motor which is mounted in the middle of the project. The motor supply power to the shaft on which two pulleys are mounted. Here one pulley will supply power to mixer and another pulley will supply power to alternator. The alternator will generate the same amount of power and supplied the battery in this way our mixture will work free of cost and electricity will be again given back to batteries so that it will again re-rotate the middle motor.

INTRODUCTION

A blender (sometimes called a liquidiser in British English) is a kitchen and laboratory appliance used to mix, purée, or emulsify food and other substances. A stationary blender consists of a blender container with a rotating metal blade at the bottom, powered by an electric motor that is in the base. Some powerful models can also crush ice and other frozen foods. The newer immersion blender configuration has a motor on top connected by a shaft to a rotating blade at the bottom, which can be used with any container.

In cases where the blades are removable, the container should have an O-ring or gasket between the body of the container and the base to seal the container and prevent the contents from leaking. The blending container is generally shaped in a way that encourages material to circulate through the blades, rather than simply spinning around..

**WORKING PRINCIPLE**

This project works on the principle of free energy generator, here in this concept the main power which we will use is stored in the battery now as the battery supply power to the main motor which is mounted in the middle of project the battery will get discharge so for the recharging of battery the middle Motor will rotate the two pulleys mounted on the same shaft on it. one pulley will supply power to the mixer where we will convert the electrical energy into mechanical energy for useful work and another pulley will supply power to the alternator mounted on the one side of the project. the alternator will take power from the middle motor and convert it into electrical energy and will again recharge the battery. in this way the cycle will be completed and battery will not require any external power for recharging from outside source so the mixture will work continuously and perpetual motion will be attending.

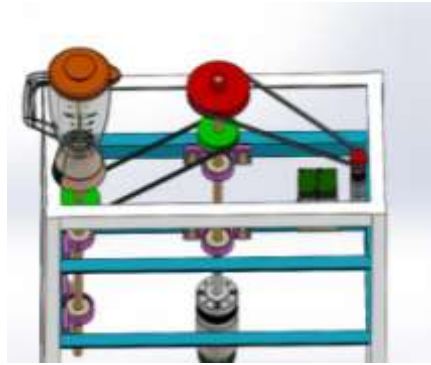


FIG 2.1 MODIFIED BLENDING MACHINE

PROBLEM STATEMENT

The development planning process designs strategies and activities to use, enhance or conserve both natural and economic goods and services. In big modern cities, economic goods and services almost completely replace the natural ones.

Energy is the prime source of all socio-economic activities of the human community. The demographic rate of growth globally and the widening spectrum of economic growth would result in demands of energy at an incremental rate of 7 to 8% annually. This can easily support a GDP growth of 8 to 9% per annum. Projections point toward a doubling of global energy demands in the decade starting 2021. There will be a marked shift in patterns of energy consumption whereby developing economies of the world would have a share exceeding two-third of global energy consumption by that period.

Fossil fuels' consumption would remain the major source of energy generation and globally employed power generation technologies. The apportionment of renewable energy in the entire energy supply will continue to be marginal in the real sense. The contribution of renewable energy-excepting hydel energy and conventional biomass-as a proportion of global energy output is pegged at a paltry 2%. This scenario in all likelihood is not going to be altered therefore, guaranteeing the possibility of nudging the renewable contribution up to 5% by 2020. The global sources of fossil fuel will have become dearer due to their depletion thereby, making the viability of fossil fuel plants restoring parity with the renewable sources. 60% of the cumulated energy needs world-wide would be met through renewable sources.

OBJECTIVES

1. The main purpose using this is to consume less power and save the electricity.
2. Can be more useful where the electricity supply is not proper.

PROCEDURE

The grinder power generator work on principle of conversion of energy. In this project a dc motor is powered by battery bank and motion is primary used by mixture and grinder the secondary motion is given to dynamo which generate electricity parallel and charge battery bank.

So, the power generation and consumption both is going to balance in our project and develop mechanical rotation to run mixture and grinder.

FUTURE SCOPE

In future we can use this mechanism on different appliance where electrical energy is needed to run mechanical mechanism. Like lathe machine need rotary motion to perform different operations by using our mechanism the consumption of electricity is reduced.

OUTPUT OF SYSTEM

This project is self electric energy generating system and we measure that it will generate 12 volt dc current which can be use to charge battery bank. The output energy given to battery is utilized for running mixture and grinder system.

CONCLUSION

Here we conclude that this system is very safe and efficient to generate electricity which can be use for different applications. Also using inverter system it converts dc current to ac current so the use of this system is not limited.

REFRENCES

To complete the project, report the use of various book is important.

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