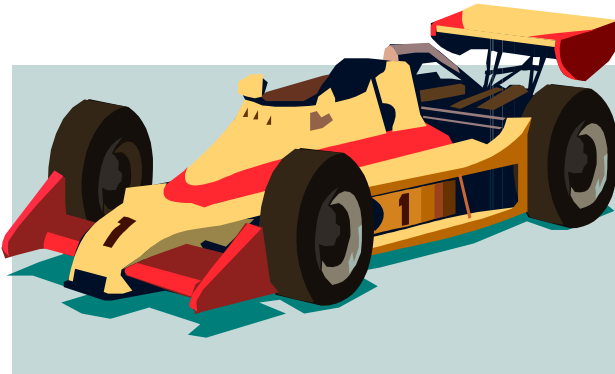


PROJECT ON

GENERATION OF POWER/ENERGY THROUGH WHEELS

By: PRIYA



The world is looking for the alternative source of energy to cope with the ever increasing demand of power and the Government and the companies are spending huge money for the Research and Development of other mode of fuel/power in all over the world. There is a huge shortage of Power resources in our country. Our oil and Gas resources are limited. There is a big gap between the demand and supply and we have to import fuel and power from other countries of the world. It is up to us how we use our limited resources wisely. My idea on power generation is very simple. We have heard about Solar power, Wind Power, Thermal Power, Hydroelectric Power and Tidal Power etc. A moving cricket ball can do work in pushing back the stumps; moving water can do work in turning a turbine for generating electricity; and moving wind can do work in the turning the blades of wind mill. Thus, a moving body is capable of doing work and hence possesses energy. I am talking about my innovative idea on **WHEEL POWER** which is a useful source of energy and can be stored and used easily. Lacs of vehicles like Car, Bus, Trucks, Vans ,Scooter, Motorcycles and Trains all run on wheels daily. Whenever a vehicle moves its wheels rotates and generate some energy unless until we stop the vehicle. Since now nobody has thought to use this idle energy or made any device to collect this idle energy to produce energy. My idea is simple that we should collect this energy from the moving wheels of the vehicle and use it. We shall install a device on the wheels of the vehicle to collect the energy from the moving wheels and save the energy in batteries to generate extra power. Our research and development organization under the Ministry of Science and Technology and the Automobiles companies and Railways can develop such a device to preserve the energy from the driven wheels and store them in batteries which will be cost

effective and alternate source of energy and which can be used for the following purposes. This idle energy can be tapped by these methods:-

1. By Connecting tiny nano generators build up within the rims of the wheels can tap energy while moving which is not used earlier and is going waste can be saved in batteries/ rechargeable batteries. The nano generators harness catches the energy each time produced by the moving wheel of a vehicle. Beside an inbuilt computer in the vehicle can regulate the energy saved from moving wheels. A vehicle has four wheels and we can save a lot of energy this way in comparison to the energy consumed by the vehicle and which can be used to drive the vehicle when petrol or other source of energy is exhausted and also use this energy for other useful purposes. This method is cost effective and simple and the vehicle manufacturer can easily install the small generators on each rim of the new vehicles . Such devices should also be made available in the market so that it could also be fitted in the old vehicles to save huge power generated by the moving wheels of vehicles to meet its power demand and can save the precious power which is not in use now and such small devices will also not effect the speed of the vehicle.

2. Use of small and compact Dynamo. Dynamo is such a device which can convert the mechanical energy into electrical energy. Rotators has to be fixed on the rim of the wheels which will rotate when the wheel moves. The mechanical energy produced by rotators will go into the electric generator and it will convert the mechanical energy into electrical energy which can be used as and when required in the vehicle and can also be used for household purposes by tapping in rechargeable batteries.

3. Four electric motor/ generators connected to each driving wheel can generate huge energy. Small electric wheel motors can also be used to tap This energy.

4. Scientist / experts in this field can make inbuilt energy savers in the rims of the vehicles to tap energy from moving wheels. This idea is feasible, cost effective and workable.

5. The energy of moving wheels can be saved/ stored in ultra capacitors and can be used.

6. Besides regenerative braking system also tend to produce a lot of power quickly. Such power/energy should also be tapped in the vehicles.

My contention is that when watches and mobiles can be charged with pulse power, body heat or movements or we can generate electricity from a driven cart , peddling of bike generate electricity, even from vibration we can make energy then why can't we tap the useful energy produced by the moving wheels of the vehicles which we can tap without any extra cost otherwise which is going waste and this way we

can save energy four times than what we use in our vehicles in one time. This energy can be used in many ways as given below:-

1. To Start Vehicle, opening of doors, locking system, air conditioning systems, air blowers, lights and other multiple uses including as a substitute to fuels.
2. The vehicles can be run on petrol, gas, solar power and also by the electric power generated by the moving wheels collected in small batteries/ rechargeable batteries to use as and when required. These re-chargeable batteries should be fixed and separated easily from rims after recharging.
3. Extra batteries should also be fitted in vehicles to collect power generated through wheels to store power.
4. Lessons dependability on Petrol/Diesel and Electricity/Gas.
5. Similarly some device can be installed on the wheels of the trains and other moving equipment based on wheel to generate extra power/ energy and can be collected in batteries and can save precious power/energy.
6. Now there is no such equipment installed on the wheels of vehicles so the power generated by the wheels goes waste.
7. Auto manufactures should be encouraged to develop simple and cost effective device to save power generated by the moving wheels of the Vehicles and Govt. should make it mandatory to fix devices to save power of wheels.
8. Expert in the field should be contacted and their expert views, modified idea/ suggestions etc. from all other concerned should be welcomed and implemented to make this project more useful/successful.
9. This project will bring the idle energy of the moving wheels and generate and save a huge energy and will bring us out from the power crisis.
10. This Idea has been never thought/ applied before and nothing was done to take advantage of this mechanical energy to produce power.
11. This project will bring a revolution in all over the world if implemented, with proper research and development.
12. It is a cost effective method of the generation of power. Automobile companies and Railways can fully utilize this potential to produce extra power from moving

vehicles to use for multiple purposes in their vehicles and also explore to tap this power.

13. Govt. and Others can also explore the possibility for the invent a simple and cost effective device in consultation with scientists/ engineers to generate electricity/ Power from the running wheels to produce energy.

14. Foreign countries/companies will also welcome this innovative concept and come forward to develop this alternate source of energy.

15. This system of generating power is very useful for the vehicles run on electric and solar power. This idea will be welcomed by the manufacturers of electric vehicles and two wheelers and four wheelers.

17. Vehicle owners will be happy to tap this energy which will give them relief from heavy expenditure on the fuel power.

16. India should also look into all types of alternate source of energy to ease the power crisis in the country and should give due consideration to such type of innovative concepts and develop them.

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Summary

My innovative idea on **WHEEL POWER is based on rotating wheels** which is a useful source of energy. Since now nobody has thought to use this idle energy to produce energy. My idea is simple that we should tap this energy from moving wheels of the vehicle and use it.

Note:

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