

AUTOMATIC POWER GENERATION FOR AUTOMOBILES

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Abstract-Now a days in our daily life every where we are using power. We cannot imagine the world without power. Similarly for automobiles also we will require power to maintain and control the applications of automobiles that power can be generated automatically by two ways. Those are

- Power generation at speed breakers by shock absorbers.
- Power generation by wheel motion of auto mobile.

In power generation at speed breakers by shock absorbers we are using shock absorber motion to generate the power. By using this method we can generate less power. That power we are storing in a battery for the application of automobiles.

In power generation by a wheel motion we are using wheel motion to generate power. That power can be stored in battery for the application of automobiles. In this processes vehicle will be initially in petrol mode. By using wheel motion we will generate power that will stored in battery. Once the battery is full then the vehicle will run in battery mode means it will run with battery power

By using this project cost of the travelling of the vehicle will be reduced and we can also prevent the some accidents by the help of automatic indicators. In future we can also transfer this power to other applications like street lights, to homes, to other vehicles by using “wireless power transferring techniques”.

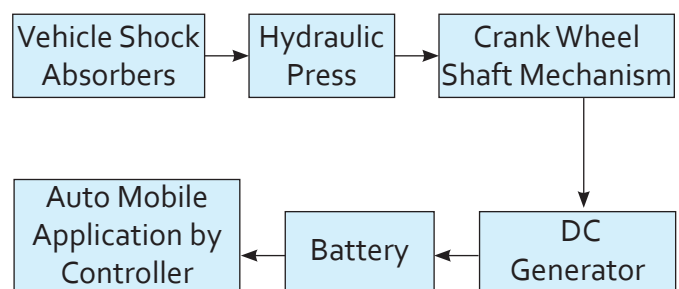
AUTOMATIC POWER GENERATION

In this power can be generated automatically by two ways those are

- Power generation at speed breakers or digs on roads or unflatted roads by shock absorbers.
- Power generation by wheel motion of auto mobile.

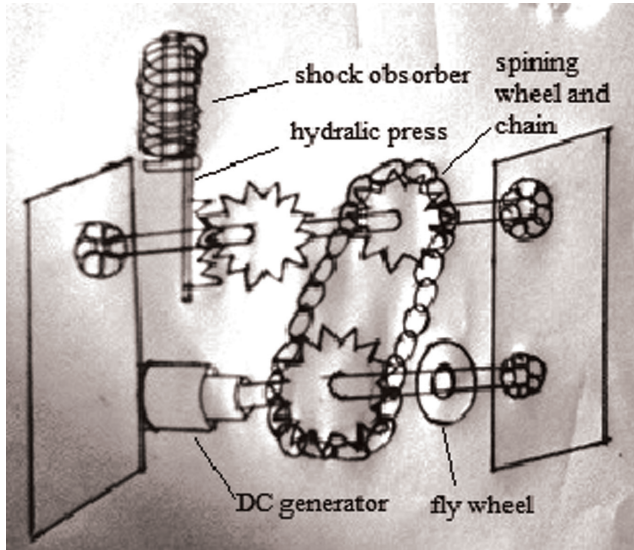
Power generation at speed breakers or digs on roads or unflatted roads by shock absorbers

In this process power can be generated whenever the vehicle passed through the speed breaker. When the vehicle passes through speed breakers then there is a moment in shock absorber. By the motion of the shock absorber we will rotate the generator. Generator will convert this mechanical energy into electrical energy. Generation of power at speed breakers is shown below



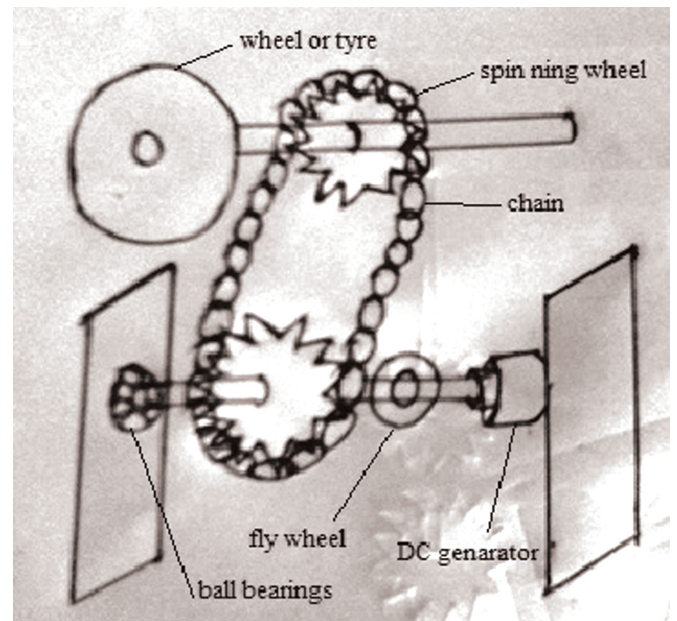
Vehicle shock absorbers are compressed when the vehicle is passed through speed breakers this force will be given to hydraulic press here one wheel is connected to rod with the force of hydraulic press this wheel is rotated. One chain is connected between hydraulic pressed wheel to wheel which is used in the section of crank wheel shaft mechanism. Wheel

of crank wheel shaft is rotated by the force of hydraulic forced wheel and this shaft will be connected to DC generator. DC will be generated from DC generator. This we are storing battery and after this power will be used for auto mobile applications. The arrangements of hydraulic press, spinning wheel, fly wheel and DC generator is shown in below figure.



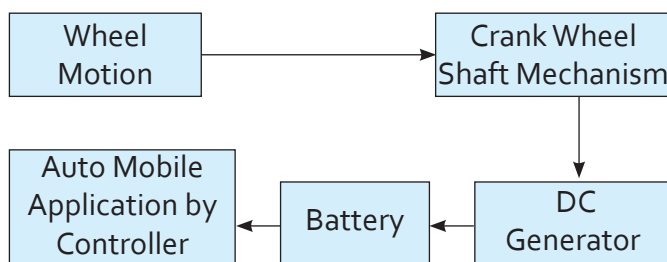
like a Dynamo power generation but in this process we can generate large power.

We will arrange one spinning wheel to the shaft of the wheel of the vehicle. One chain is connected between spinning wheel to wheel which is used in the section of crank wheel shaft mechanism. Wheel of crank wheel shaft is rotated by the force of spinning wheel and this shaft will be connected to DC generator. DC will be generated from DC generator and this we are storing battery and after this power will be used for auto mobile applications.



Power generation by wheel motion of auto mobile

In this process power can be generated by the motion of the vehicle. When the vehicle is moving then wheel will be rotated with this wheel rotation force we will rotate the generator this generator will convert mechanical force into electrical energy. This power generation process will be similarly to



CONCLUSIONS

We can generate power with less cost.

FUTURE SCOPE

In future we can also transfer this power to other systems like other automobiles or street lights without using wires by "Wireless power transmission techniques".



AUTHOR

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