

HYBRID VEHICLE USING WINDMILL AND PEIZO ELECTRIC SUSPENSION

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ABSTRACT

The hybrid vehicle is combination of IC engine and electric motor. The purpose of this concept is to overcome disadvantages of IC engine and electric motor by virtue of each other. While IC engine suffers with low efficiency and high pollution at low speed conditions electric scooter fails to achieve economic speeds. We are using conventional sources of energy to recharge the power source for electric ride. Various components have been designed in order to build up a hybrid vehicle with maximum fuel efficiency. This paper briefly explains about the analysis of the various components used and how to use these components as a compact package to optimize performance. Many people have a doubt that whether an addition of windmill cause and obstruction to the flow of air by retarding the vehicle, we have proven with analysis that the windmill neither affects the drive but it helps increasing the fuel efficiency along with piezo electric suspension.

KEYWORDS: Ecoriendly, DPDT, Hybrid, Peizelectric