Solar Powered Hydrogen Vehicle with Current Inducing Shock Absorbers

Khan, Muhammad Hashim
Rahman, Ahmad

21st century has come up with certain challenges that humanity has to confront with. Amongst these, fast depleting non-renewable energy resources, global warming and air pollution are foremost. Excessive use of fossil fuel reserves as a driving fuel in vehicles along with the emission of hazardous gases affecting greenhouse is one of the major contributory. Therefore, such kind of transport is required which is fuel efficient and environment friendly. The idea of solar powered hydrogen vehicle with current inducing shock absorbers is being proposed as a replacement for traditional vehicles. The design of this vehicle is unique having two characteristic features associated with its power supply. In this type of vehicle, solar energy from solar panels is stored in battery as chemical energy. This battery is also supported by the current produced by a new kind of shock absorbers which act on the principle of Electromagnetic Induction that induce current in the system on shock impulses. Thus unlike traditional vehicles, the shocks and brakes of the car produce electricity instead of heat. This electricity produced in turn is supplied to the battery of the vehicle. The electrical energy from the battery is used to split water into hydrogen and oxygen gases in water splitting unit. The hydrogen gas is stored into a separate storage tank and used as a fuel in internal combustion engine of the vehicle. Since, two different sources of energy are used; the working mechanics of this vehicle meet the basic requirements of the laws of thermodynamics.