



PEP-2

Enhancement of Hydrogen Engine with Mixed Fuel

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Making the possible best ways of production of hydrogen cheap, not harmful for environment and easy to applied for hydrogen engine application by using a combined way for production of hydrogen fuel from electrolysis, solar cells, thermal decomposition and displacement of natural gas and coal.

In fact, no one can deny that hydrogen engines are one of the most important matters. Hydrogen internal combustion engine (HICE) presents much of the same promise as hydrogen fuel cell and other sources of extracting it, reduced reliance on imported oil and reduced carbon dioxide emissions. Theoretical studies on the methods of cavitation treatment that result in engine cylinders with hydrogen fuel. This study in this research includes modification on the last hydrogen engines to introduce a new method more successful and safe. Advisors will be using a new and innovative method in the fossil-fuel mixing and minimized to a great extent compared with hydrogen gas, as well as new and distinctive in a research addition to added water vapor as a component of this mixture. The ways to make the process of hydrogen mixing safer are studied.