

DEVELOPMENT OF HYDROGEN STORAGE TECHNOLOGIES IN AUTOMOBILES

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ABSTRACT

Fuel cell vehicles have possibleness to reduce emissions & energy consumption. In future, the Mother Nature carries harmless energy like hydrogen (H_2) will play critical role. Hydrogen storage is the key technology towards the hydrogen society. In previous years, the viable storage of hydrogen in various ways extensively measured. In this paper, is prior study present and featured hydrogen storage materials and high-pressure tank systems, other composite compounds as a hydrogen storage. Future some hydrogen materials worn for hydrogen storage are ammonia borane (MBH_4), hydrides, amides, composite materials, metal -organic, organic molecules etc. light metal alloys, up to now we focused on review afterwards wholly on experimental studies. Also be presented the key characteristics of materials, properties of decomposition rate, hydrogen content, purity and recent trends in development of original materials with high hydrogen storage capacity.

KEYWORDS: *Ammonia Borane, Hydrides, Amides Etc*