

Excess heat generation by simple treatment of reaction metal in hydrogen gas

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Reports of heat generation of reactions in the nickel-hydrogen system recently are increasing. These reaction mainly occurred with nickel together with other additive elements and hydrogen gas. We carefully cleaned the reactants and reactor and then processed in situ in the test system without exposure to air and have detected the excess heat. In these test, the thermal energy greatly exceeding the input and was continued for long time. In the best results so far, the output heat energy is twice of the input electric energy and can be lasted for several month. For example, when the input was 500 W, the excess heat can be continued for several hundred watts. It was found that the rise in temperature can be increased the output energy. We recently improved the method of preparing reactive materials and heat generation technic. This makes easier to obtain the excess heat. Here, we report the results of the new method for reactant preparation and results.