Short Communication

Probability Investigation of Thermal Runaway in Nickel-Cadmium Batteries with Pocket Electrodes

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In this study, there is shown that in nickel-cadmium batteries with pocket electrodes and a long operating life, a lot of hydrogen is contained just like in batteries with sintered electrodes. But a probability of the thermal runaway in the nickel-cadmium batteries with the pocket electrodes is much less than the same in the batteries with the sintered electrodes. This result can be of a great practical importance for new types development of the alkaline batteries with a good thermal runaway resistance.

Keywords: thermal runaway, battery, nickel–cadmium

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