

This invention relates to electrochemical alloys that absorb hydrogen and to accumulators that use heterogeneous alloys.

Non-uniform heterogeneous composite powdered particles have been selected for the electrochemical application; each of the above non-uniform heterogeneous composite powdered particles contains at least two separate and different alloys that absorb hydrogen, which are mixed together. One of the alloys that absorb hydrogen appears to be the alloy on the basis of Mg.