

Abstract

Method and Apparatus for Storing Electric Energy in Electrochemical Energy Accumulators

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In a method for storing electric energy in electrochemical energy accumulators and for exchanging electric energy with an electric energy distribution network via a power electronic system connecting the electrochemical energy accumulators with the electric energy distribution network the specific data and features of the electrochemical energy accumulators

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2.1 – 2.N and the topology of the power electronic system 4.1 – 4.N; 31.M; 31.N, 32.N are transferred into data and features specific for the electric energy distribution network 11. A corresponding apparatus contains at least one base module or AC batteries 1.1 – 1.N with DC batteries 2.1 – 2.N having the same chemical and/or physical properties, a battery management system 20.1 – 20.N controlling and monitoring the DC batteries 2.1 – 2.N, a

15 power electronic module 4.1 – 4.N, 31.N, 32.N, a power electronic module control means 40.1 – 40.N and an AC battery management 5.1 – 5.N with communication interfaces 15 to the battery management system 20.1 – 20.N.

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