

Abstract

A lithium ion rechargeable battery comprises: a negative electrode adapted to give up electrons during discharge, a positive electrode adapted to gain electrons during discharge, a microporous separator sandwiched between said positive electrode and said negative electrode, an organic electrolyte being contained within said separator and being in electrochemical communication with said positive electrode and said negative electrode, and an oxidative barrier interposed between said separator and said positive electrode, and thereby preventing oxidation of said separator.

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