

Title (en)

LITHIUM-ION BATTERY COMPRISING A LITHIUM-RICH CATHODE AND A GRAPHITE-BASED ANODE

Title (de)

LITHIUM-IONEN-BATTERIE MIT EINER LITHIUMREICHEN KATHODE UND EINER GRAPHITBASIERTEN ANODE

Title (fr)

BATTERIE LITHIUM-ION COMPRENANT UNE CATHODE RICHE EN LITHIUM ET UNE ANODE A BASE DE GRAPHITE

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Application

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Priority

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Abstract (en)

[origin: WO2015121574A1] The subject of the invention is a lithium-ion battery comprising a graphite-based material for negative electrode, a lithium-rich material for positive electrode, an electrolyte and a separator, characterized in that the reversible capacity (N) of said negative electrode is equal to the reversible capacity (P) of said positive electrode so that said battery exhibits a ratio $N/P = 1$. The subject of the invention is also a method of preparing Li-ion batteries according to the invention. Finally, the subject of the invention is a method of cycling a lithium-ion battery according to the invention.

IPC 8 full level

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