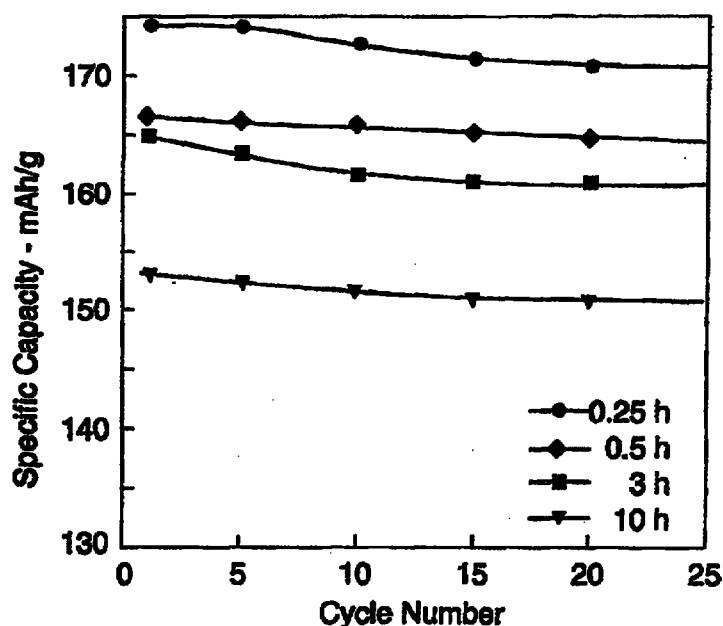


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(54) Title: Li_xCoO_2 ELECTRODE FOR HIGH-CAPACITY CYCLE-STABLE SECONDARY LITHIUM BATTERY

(57) Abstract

Li_xCoO_2 wherein x is about 1.00 to 1.15, is annealed at about 950 °C to 1000 °C for about 0.25 to 10 hours to yield a lithium intercalation material which is used in an electrode to provide a rechargeable battery having high specific capacity and the capability of maintaining such capacity over numerous operating charge/discharge cycles.