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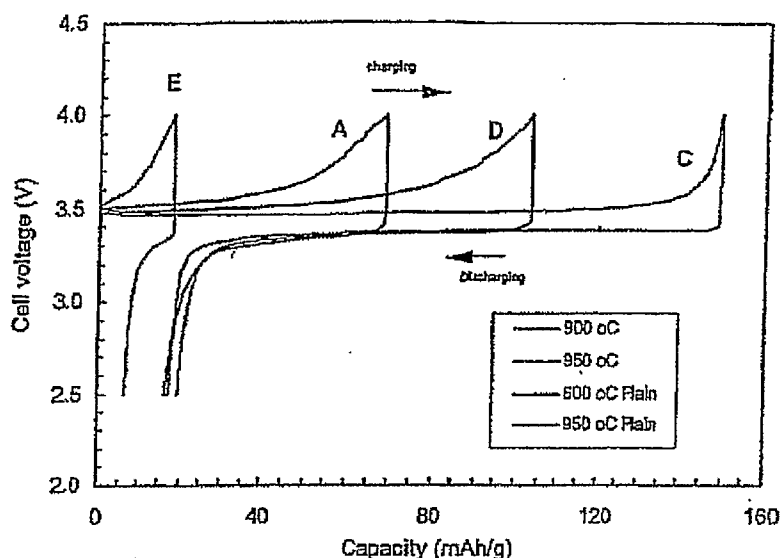
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(54) Title: A PROCESS OF MAKING CARBON-COATED LITHIUM METAL POLYANIONIC POWDERS



(57) Abstract: The present invention provides a process for making a battery cathode material with improved properties in lithium ion batteries. In one embodiment, the process comprises synthesizing a lithium metal polyanionic (LMP) powder. The process further comprises precipitating a carbonaceous coating on to the LMP powder to form a coated LMP powder. Additionally, the process comprises stabilizing and then carbonizing the coated LMP powder to produce the battery cathode material. The charge capacity, coulombic efficiency, and cycle life of the battery cathode material is better than those of the uncoated LMP powder.

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