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(54) Title: DRY PROCESS FOR FORMING AN ELECTRODE

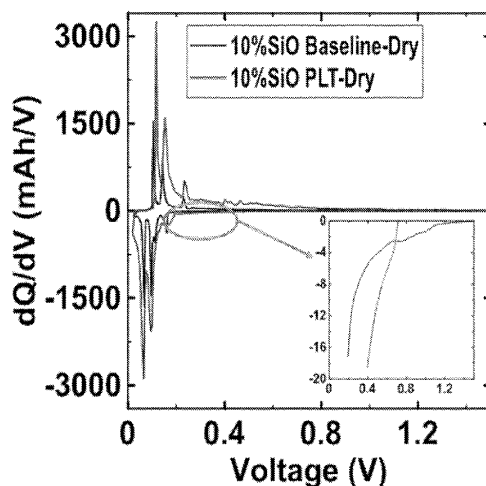


FIG. 8

(57) Abstract: A one-step and dry process for forming an electrode is provided. The process may include dry mixing an active component having an active electrode material, a binder and a conductive material with a prelithiation agent to form a dry electrode material mixture. The prelithiating agent may be a printable lithium composition and may include a lithium metal powder, a polymer binder compatible with the lithium metal powder, and rheology modifier compatible with the lithium metal powder. The dry electrode material mixture is applied to a substrate as a non self-supporting layer to form the electrode.

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