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(54) Title: CATHODE SLURRY FOR LITHIUM ION BATTERY

(57) Abstract: Provided herein is a lithium-ion battery cathode slurry, comprising: a cathode active material, a conductive agent, a binder material, and a solvent, wherein the cathode active material has a particle size D50 in the range from about 10 µm to about 50 µm, and wherein the slurry coated onto a current collector having a wet film thickness of about 100 µm has a drying time of about 5 minutes or less under an environment having a temperature of about 60 °C to about 90 °C and a relative humidity of about 25% to about 40%. The cathode slurry disclosed herein has homogeneous ingredient dispersion and quick drying capability for making a lithium-ion battery with high quality and consistent performance. In addition, these properties of the cathode slurry increase productivity and reduce the cost of manufacturing lithium-ion batteries.