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(71) Applicant (for all designated States except US): **CONO-COPHILLIPS COMPANY** [US/US]; 600 N. Dairy Ashford, Houston, Texas 77079 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MAO, Zhenhua** [US/US]; 159 Fern Drive, Ponca City, Oklahoma 74604 (US).

(74) Agents: **WESTBY, Timothy, S.** et al.; Conley Rose, P.C., P.O. Box 3267, Houston, Texas 77253-3267 (US).

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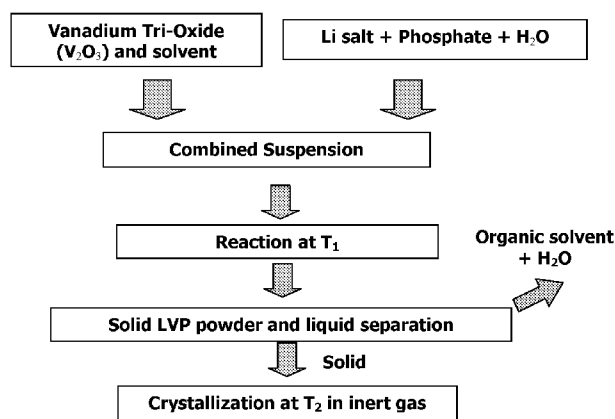


Figure 1

(57) Abstract: This invention relates to a process for producing an improved powder for the positive electrode of lithium ion batteries wherein the powder comprises lithium, vanadium and phosphate. The process includes forming a suspension of the precursors with a high boiling temperature solvent and heating the suspension to a reaction temperature of between 250°C and 400°C to convert the precursors to the desired solid product. The solid product is separated from the suspension and is heated to a higher temperature to crystallize the product. The resulting product retains a small particle size thus avoiding the need for milling or other processing to reduce the product to a particle size suited for batteries.

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