

A METHOD OF FABRICATING STRUCTURED PARTICLES COMPOSED OF SILICON OR A SILICON-BASED MATERIAL AND THEIR USE IN LITHIUM RECHARGEABLE BATTERIES

Abstract

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Pillared particles of silicon or silicon-comprising material and a method of fabricating the same. These particles may be used to create both a composite anode structure with a polymer binder, a conductive additive and a metal foil current collector, and an electrode structure. The structure of the particles overcoming the problems of charge/discharge capacity loss.

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(Fig. 1)