

**METHOD OF EXTRACTING LITHIUM, METHOD OF PREPARING
LITHIUM CARBONATE AND METHOD OF PREPARING LITHIUM
HYDROXIDE**

5

ABSTRACT

Provided are a method of extracting lithium, which includes adding a phosphorus source material to a first solution containing a lithium cation (Li^+) and an alkaline earth metal cation to produce a precipitate containing lithium, magnesium, calcium, strontium, and phosphorus, wherein the total concentration of the alkaline
10 earth metal cations in the first solution is 100,000 mg/L or more, a method of preparing lithium carbonate using the same, and a method of preparing lithium hydroxide using the same.

(No suitable figure)