

Methods of Separating Lithium Chloride from Geothermal Brine Solutions

Disclosure Number

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Technology Summary

The subject invention comprises novel sorbents and methods which achieve transformational improvement in lithium-chloride extraction methods from naturally occurring concentrated brines (100–500 mg Li/kg) found in the U.S., Chile, and other countries. The invention enables a fundamental shift in the lithium supply curve while advancing our capabilities in materials extraction from alternative resources—both vital to U.S. economic and energy security goals.

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