

Energy storage backup lithium battery patent

Biosafety & Environmental IP: Some battery chemistries involve environmental compliance, which may intersect with IP rights. 6. Emerging Trends AI-assisted battery optimization patents. Next ...

Energy storage systems may be used at the utility-scale to balance electricity supply and demand. In particular, lithium-ion batteries provide a high energy efficiency, long cycle life, and high ...

Share From smartphones to EVs, lithium-ion batteries are everywhere. Common scenarios including long-term storage, seasonal usage, transport, or delivery at low charge can introduce risk ...

Mobile lithium-ion battery energy storage systems Abstract An example of a system to provide energy storage capacity moveable between multiple locations is provided. The system includes...

A significant portion of current patent activity focuses on advancements in battery chemistry, including lithium-ion, solid-state, and flow batteries, each with unique characteristics regarding energy density, ...

The present invention provides a high-voltage energy storage power system and a battery cluster state precise sensing method thereof.

A series of redox shuttle electrolyte additives for lithium-ion batteries that provide overcharge protection and increased battery safety. They also reduce cost and improve battery reliability.

Filing Marks Step Toward Safer Devices, Vehicles, and Energy Systems ORLANDO, FL. (February 6, 2026)
-- X-BATT today announced it has filed a U.S. patent application covering new ...

Navigate patent law challenges in energy storage solutions and protect your innovations in battery technology.

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