

Title (en)

ELECTROLYTE COMPOSITIONS FOR RECHARGEABLE METAL HALIDE BATTERY

Title (de)

ELEKTROLYTZUSAMMENSETZUNGEN FÜR WIEDERAUFLADBARE METALLHALIDBATTERIE

Title (fr)

COMPOSITIONS D'ÉLECTROLYTE POUR BATTERIE À HALOGÉNURE MÉTALLIQUE RECHARGEABLE

Publication

EP 4143908 A1 20230308 (EN)

Application

EP 21716673 A 20210331

Priority

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- EP 2021058446 W 20210331

Abstract (en)

[origin: WO2021219319A1] A rechargeable metal halide battery with an optimized electrolyte formulation shows high capacity at fast charging rates. The optimized electrolyte includes a metal halide, an oxidizing gas, and a mixed-solvent solution that includes a glyme-based compound that is in a volume fraction of between 20-70 volume % of the mixed-solvent solution. The mixed-solvent solution may further include a nitrile compound and/or a heterocyclic compound.

IPC 8 full level

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CPC (source: EP)

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