

Title (en)
ELECTROLYTES AND METAL HYDRIDE BATTERIES

Title (de)
ELEKTROLYTE UND METALLHYDRIDBATTERIEN

Title (fr)
ÉLECTROLYTES ET BATTERIES À HYDRURE MÉTALLIQUE

Publication
EP 3218955 A1 20170920 (EN)

Application
EP 15859568 A 20151110

Priority

- US 201414540445 A 20141113
- US 201414540521 A 20141113
- US 201414540461 A 20141113
- US 201414540537 A 20141113
- US 2015059883 W 20151110

Abstract (en)
[origin: WO2016077303A1] A metal hydride battery comprising an electrolyte composition comprising an ionic compound selected from the group consisting of protic acids, protic ammonium compounds, protic oxonium compounds, aprotic ammonium compounds, aprotic oxonium compounds, aprotic phosphonium compounds and alkali or alkali earth metal salts; or comprising an ionic compound selected from the group consisting of alkali or alkali earth metal hydroxides and alkali or alkali earth metal alkoxides and an organic solvent; or comprising an alkali metal hydroxide, water and one or more further components selected from the group consisting of organic solvents, further ionic compounds and additives; or comprising an ionic compound selected from the group consisting of carboxylate compounds and carboxylic acids. Ionic compounds include ionic liquids and salts. Metal hydride batteries comprising certain electrolyte compositions have a nominal open-circuit voltage of from about 1.5 V to about 5.0 V.

IPC 8 full level
H01M 4/38 (2006.01); **H01M 10/26** (2006.01); **H01M 10/34** (2006.01)

CPC (source: CN EP KR)
H01M 4/383 (2013.01 - KR); **H01M 10/26** (2013.01 - CN EP KR); **H01M 10/345** (2013.01 - CN EP KR); **H01M 4/383** (2013.01 - CN EP); **H01M 2300/0014** (2013.01 - CN EP KR); **H01M 2300/0017** (2013.01 - CN EP); **H01M 2300/0028** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP KR)

Citation (search report)
See references of WO 2016077303A1

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BA ME

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