

Information on Search Strategy - Pilot phase (see OJ 2015, A86)

The type of information contained in this sheet may change during the pilot for improving the usefulness of this new service.

Application Number

PCT/US2017/018053

TITLE: HALOGEN-BASED ELECTROLYTE CONTAINING CARBON

APPLICANT: EOS ENERGY STORAGE, LLC

IPC CLASSIFICATION: H01M10/36, H01M12/08

EXAMINER: Masson, Jean-Pierre

CONSULTED DATABASES: EPODOC, WPI, NPL, INSPEC, COMPDX, XPESP, XPIEE, XPI3E

CLASSIFICATION SYMBOLS DEFINING EXTENT OF THE SEARCH:

IPC:

CPC: H01M10/36, H01M10/365, H01M12/08, H01M12/085, H01M2300/0002

FI/F-TERMS:

KEYWORDS OR OTHER ELEMENTS FEATURING THE INVENTION:

Concepts : (aqueous) electrolyte, zinc halide, zinc bromide, zinc chloride, zinc iodide, water, carbon powder, carbon material, active carbon, amorphous carbon, glassy carbon, carbon black, acetylene black, carbon nanotubes, CNT, soot, fullerene, bucky ball, C60, C70, graphite, graphene, diamond.

Invention : electrolyte comprising a zinc halide salt, water and a carbon powder material; use of said electrolyte in zinc-halide rechargeable electrochemical cells.

Problem : provision of a low-cost electrolyte for zinc-halide batteries having improved durability.