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(54) Title: ELECTRODE STACK FOR A METAL HYDROGEN BATTERY

(57) Abstract: A metal hydrogen battery is presented. The metal hydrogen batter includes an electrode stack, the electrode stack including alternating anode assemblies and cathode assemblies, the anode assemblies and cathode assemblies separated by a separator, each of the anode assemblies including at least one anode layer connected to an anode bus, each of the cathode assemblies including at least one cathode layer connected to a cathode bus, wherein each of the anode buses are electrically and mechanically attached to form an anode conductor, and wherein each of the cathode buses are electrically and mechanically attached to form a cathode conductor. The electrode stack is positioned in a pressure vessel, the pressure vessel including a side wall, a cathode end plate, and an anode end plate. Finally, an electrolyte is contained within the pressure vessel.