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[54] **STABILIZED ELECTROLYTE SOLUTIONS, METHODS OF PREPARATION THEREOF AND REDOX CELLS AND BATTERIES CONTAINING STABILIZED ELECTROLYTE SOLUTIONS**

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[52] **U.S. Cl.** **429/204**; 429/188; 429/231.5; 429/326

[58] **Field of Search** 429/19, 14, 204, 429/188, 326, 231.5

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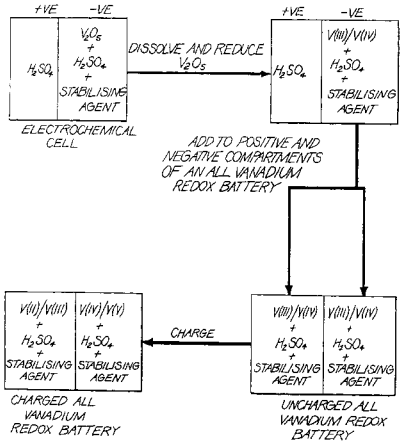
[57] **ABSTRACT**

A method for stabilizing an electrolyte for use in a redox cell, in particular for stabilizing an electrolyte for use in an all-vanadium redox cell, a stabilized electrolyte, in particular an all-vanadium stabilized electrolyte, a redox cell, in particular an all-vanadium redox cell, comprising the stabilized electrolyte, a redox battery, in particular an all-vanadium redox battery, comprising the stabilized electrolyte, a process for recharging a discharged or partially discharged redox battery, in particular an all-vanadium redox battery, comprising the stabilized electrolyte, and a process for the production of electricity from a charged redox battery, and in particular a charged all-vanadium redox battery, comprising the stabilized electrolyte are disclosed. Also disclosed are a redox battery/fuel cell and a process for the production of electricity from a redox battery/fuel cell.

25 Claims, 24 Drawing Sheets