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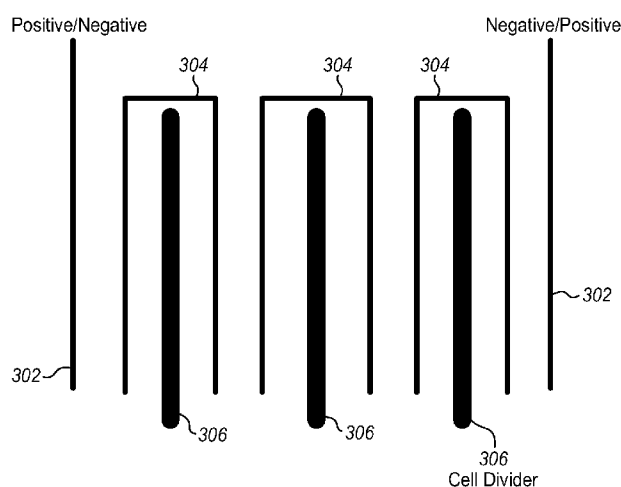
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(54) Title: SYSTEM FOR PRODUCING A SUBSTANTIALLY STOICHIOMETRIC MIX OF HYDROGEN AND OXYGEN USING A PLURALITY OF ELECTROLYTIC CELLS

FIG. 3



(57) Abstract: A system for producing a product gas using a plurality of electrolytic cells, comprising : a plurality of electrolytic cells, each electrolytic cell comprising : a reservoir containing a fluid comprising a mixture of water and electrolyte, a plurality of sets of anode and cathode plates immersed in the fluid, and an output port, positioned above a surface of the fluid and responsive to a product gas emanating from the fluid, for outputting the product gas to a system which consumes the product gas; and a source of electric current applied to said sets of anode plates of said electrolytic cell to generate the product gas by dissociating a stoichiometric mix of hydrogen atoms, hydroxide ions, and oxygen atoms from the fluid.



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