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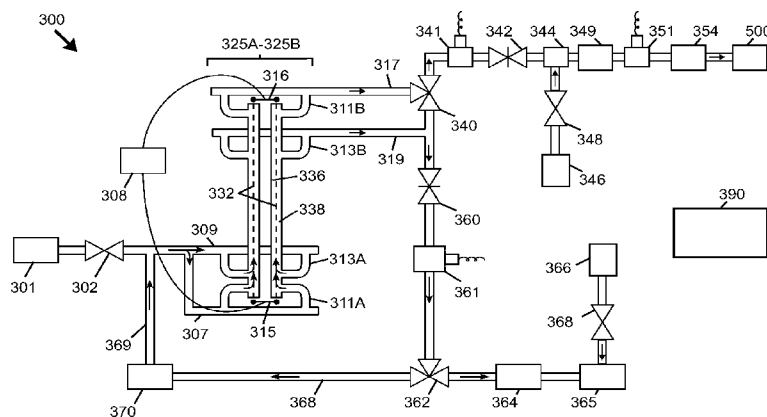


FIG. 3

(57) Abstract: A stabilized mixed oxidant solution may be produced by flowing a starting solution (e.g., salt brine, hypochlorous acid, and/or sodium hypochlorite) through a flow-through electrochemical module including first and second passages separated by an ion permeable membrane while electric power is applied between an anode and cathode in electrical communication with the first and second passages, respectively. An initially acidic anolyte solution received from the first (anode) passage is stabilized by elevating pH to yield a stabilized mixed oxidant solution. Methods of using the mixed oxidant solution are further provided.