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(54) **Title:** PROCESS AND PLANT FOR THE PRODUCTION OF HYDROGEN

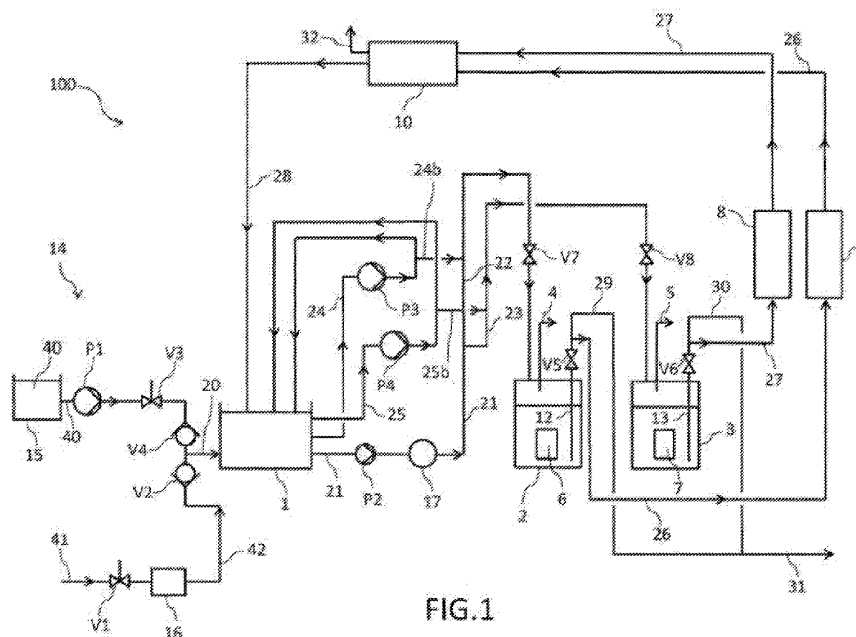


FIG. 1

(57) **Abstract:** Process for the production of hydrogen from an aqueous solution containing hydrochloric acid in dissociated form, within said aqueous solution there being present at least one electrode composed of a metal alloy containing a plurality of metals with different standard reduction potentials, the process comprising the following steps: reduction to hydrogen of the hydronium ions present in the solution, as a result of a flow of electrons generated in the electrode between pairs of metals, from the lower potential metal to the higher potential metal, and extraction of hydrogen thus obtained from said aqueous solution.

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