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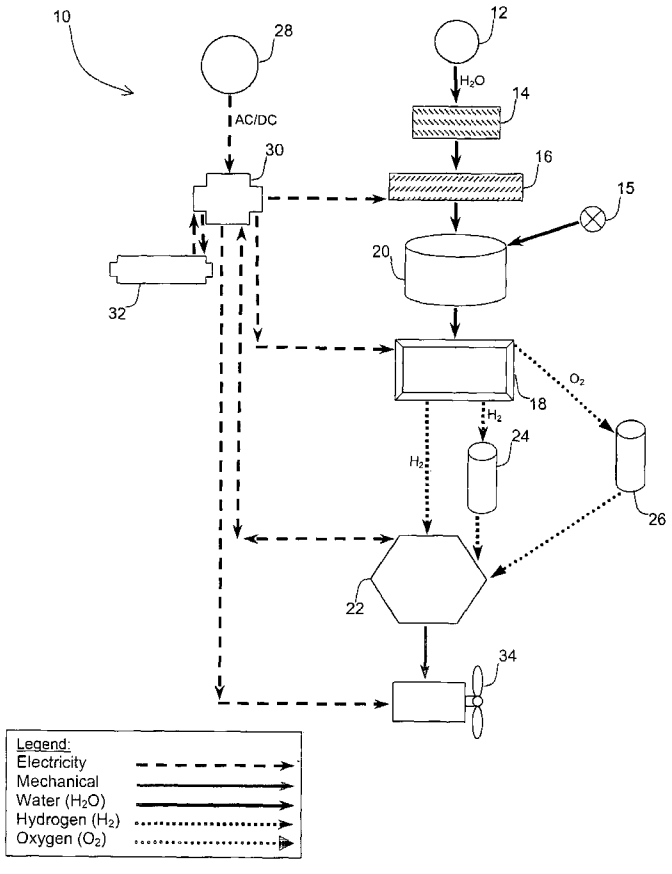
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(54) Title: SYSTEM AND METHOD FOR THE PRODUCTION AND USE OF HYDROGEN ON BOARD A MARINE VESSEL



(57) Abstract: This invention is directed to an integrated onboard hydrogen (H_2) production and utilization system for all watercraft, which yields environmentally benign vessel power production without new infrastructure requirements. Water (H_2O) is supplied to a vessel, whether ashore, docked or underway, and is systematically converted into hydrogen and oxygen. The energy required for this process may be provided by any renewable or non-renewable source. The H_2 produced is either utilized at once or stored. Energy is released from the H_2 by one or more power plants.

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