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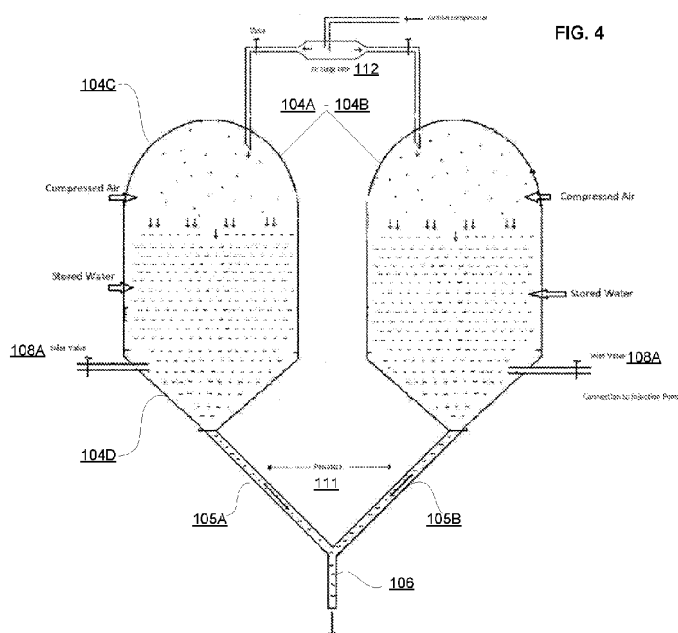
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(54) Title: AN IMPROVED SYSTEM AND METHOD FOR GENERATING ELECTRICAL ENERGY FROM AIR HYDROPOWER



(57) **Abstract:** The present invention provides an improved system for generating electrical energy from air hydropower. The system includes a series arrangement of more than one vessel (104A - 104B) where each of the vessel is cylindrical in shape at center, a dome shaped structure 104C at top and a narrow conical structure 104D at bottom, a mechanical drive machine 102 and a fulcrum assembly 200 having an effort arm 102A and a resistance arm 102B resting on a static support 102E, an injection pumping system 300 which includes an injection pump 108 which is separated into two compartment by the piston plate 108C, a Y' shaped penstock 111 connected at the narrow conical structure 104D at one end and formed from more than one narrow piping 105A-105B merging into a single pipe 106 and a pen stock jet 115 placed over the penstock, here the jet is injected with air bubbles which pushes the water from the penstock at high velocity over a Pelton wheel 114A of a Pelton turbine 114 which in turn moves a turbine shaft 117 to generate electricity.

[Continued on next page]

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