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(54) Title: FLOW DENSITY FLUID DISPLACEMENT TO STORE OR GENERATE POWER

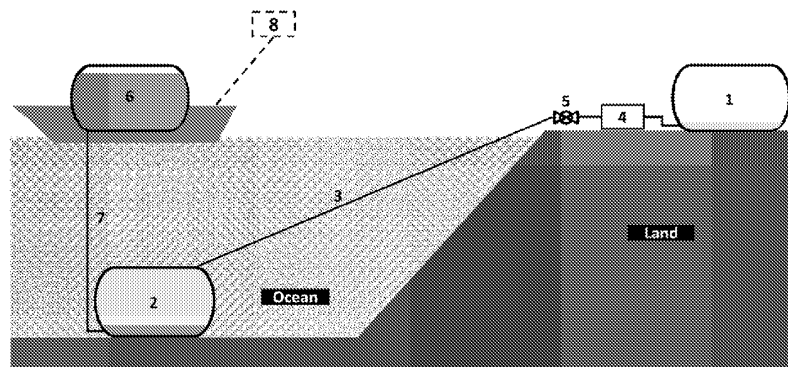


Figure 150

(57) Abstract: The system pertains to a first storage reservoir near the surface of a body of water and configured to store a first fluid. A second storage reservoir is located below the surface of the body of water and configured to store a second fluid which has a higher density than the first fluid. A pump, generator, and the first and second reservoir are operatively connected such that power is stored by displacing the higher density fluid in the second storage reservoir by pumping the lower density fluid in the first storage reservoir to the second storage reservoir. Power is generated or discharged by allowing the fluid which has a lower density in the second storage reservoir to return to the first storage reservoir. The higher density fluid may be in a liquid or solid-liquid mixture form. The lower density fluid may be in a liquid or solid-liquid mixture form.

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