A HYDRO-ENERGY CAPTURE SYSTEM

Abstract

Disclosed herein is a hydro-energy capture system comprising a first dynamic vessel, a first actuator for displacing the first dynamic vessel, a second dynamic vessel and a second actuator for displacing the second dynamic vessel. The hydro-energy capture system further comprises an actuator coupling for fluid communicating the first actuator to the second actuator and a fan assembly for capturing flow of fluid therealong and transducing the fluid flow into at least one of electrical energy, mechanical energy and hydraulic energy. Wherein introducing liquid into the first dynamic vessel displaces the first dynamic vessel towards the lowered position and aid in the displacement of the second dynamic vessel towards the raised position. A first static vessel and a second static vessel coupled respectively to the first dynamic vessel and the second dynamic vessel aid in displacement thereof via Bernoulli equilibrium through the transport of liquid via siphon action.

Figure 1