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(54) **Title:** HYDRAULIC DESALINATION DEVICE AND METHOD

(57) **Abstract:** A hydraulic desalination system, device and method includes lowering the pressure of liquid saltwater to the vaporization point by generating flow through piping and accompanying infrastructure that may include valves that impart friction and control flow, capturing the vapor, condensing the vapor using higher pressure supplied by the ambient surroundings producing freshwater, recovering the heat released during condensation by maintaining ambient temperatures greater than vapor temperatures, and then using the recovered heat to enhance and perpetuate vaporization in a cyclical manner. A novel spring-loaded pump for pumping fluids may facilitate the process.



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