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(54) Title: METHOD AND APPARATUS FOR OSMOTIC POWER GENERATION

(57) Abstract: An osmotic power generation system and method for generating osmotic power includes a membrane chamber having a semi-permeable membrane therein defining a first portion and a second portion therein. The system also includes a first pump communicating a first fluid to the first portion and a second pump communicating a second fluid to the second portion. The second fluid has higher total dissolved solids than the first fluid. A second portion energy recovery device is in fluid communication with the second portion. A power generator is in communication with the second portion energy recovery device generating electrical power in response to the second portion energy recovery device and the pressure in the second portion.



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