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(54) Title: DESALINATION SYSTEM

(57) Abstract: In accordance with particular embodiments, a desalination system includes a plurality of evaporators. The plurality of evaporators includes at least a first evaporator and a last evaporator. The plurality of evaporators are arranged in cascading fashion such that a concentration of salt in a brine solution increases as the brine solution passes through the plurality of evaporators from the first evaporator towards the last evaporator. The desalination system also includes a plurality of heat exchangers. An input of each evaporator is coupled to at least one of the plurality of heat exchangers. The system also includes a vapor source coupled to at least one of the plurality of evaporators.



WO 2008/045943 A2