

Title (en)

DESALINATION METHOD AND DEVICE COMPRISING SUPERCAPACITOR ELECTRODES

Title (de)

ENTSALZUNGSVERFAHREN UND VORRICHTUNG MIT SUPERKONDENSATOR-ELEKTRODEN

Title (fr)

PROCÉDÉ DE DESSALAGE ET DISPOSITIF COMPRENANT DES ÉLECTRODES DE SUPERCONDENSATEUR

Publication

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Application

EP 07869734 A 20071221

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Abstract (en)

[origin: WO2008094367A1] A method and an apparatus for the desalination of fluids are defined. The invention comprises discharging the solute-bearing electrode in order to obtain a discharge stream higher concentration of solute than a feed stream. Discharging may comprise supersaturating the stream, precipitating or crystallizing the stream and recovering the solids. The liquid stream may be looped across the electrodes more than once. The apparatus may comprise dialysis, nanofiltration or RO devices. A controller sends the signal for discharge.

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Citation (search report)

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