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(71) Applicant *(for all designated States except US)*: **GENERAL ELECTRIC COMPANY** [US/US]; 1 River Road, Schenectady, NY 12345 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **CAI, Wei** [CN/CN]; 2688 Hunan Road, Apt. 160-402, Nanhui Area, Shanghai 201300 (CN). **ROLCHIGO, Philip, Mathew** [US/US]; 13 Stoney Heights Court, Clifton Park, NY 12065 (US). **WEI, Change** [US/US]; 1013 North Wood Court, Niskayuna, NY 12309 (US). **XIONG, Rihua** [CN/CN]; 711 Zhengli Road, Room 27-301, Yangpu Area, Shanghai 200433 (CN). **CAO, Lei** [CN/CN]; Room 101, Building 8, Kuangshan Area, West Jiaoxiao Road, Jinan 250023 (CN). **DU, Yu** [CN/CN]; 1800 Cai Lun Road, Pudong, Shanghai 201203 (CN).

(74) Agents: **TOOP, Barbara, A.** et al.; General Electric Company, Global Patent Operation, 187 Danbury Road, Suite 204, Wilton, CT 06897 (US).

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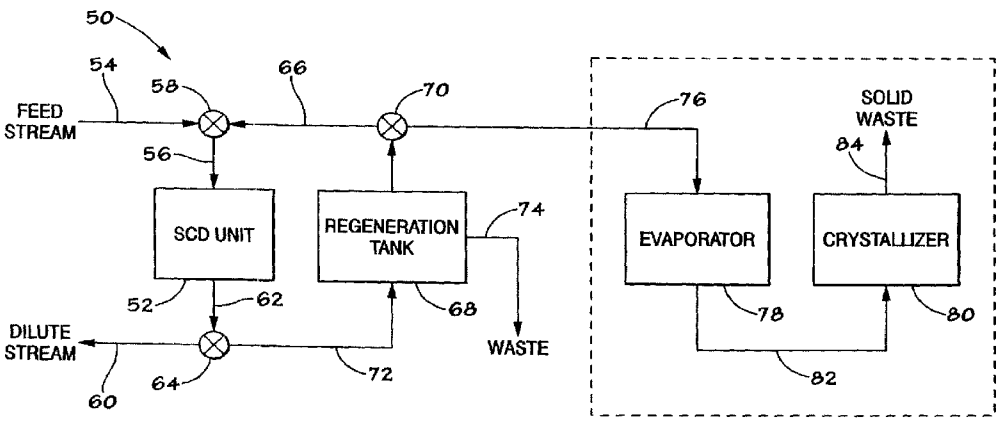
(54) Title: DESALINATION METHOD AND DEVICE COMPRISING SUPERCAPACITOR ELECTRODES



(57) Abstract: 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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