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(54) Title: PROCESSES FOR RECOVERING LITHIUM VALUES FROM LITHIUM-CONTAINING BRINES

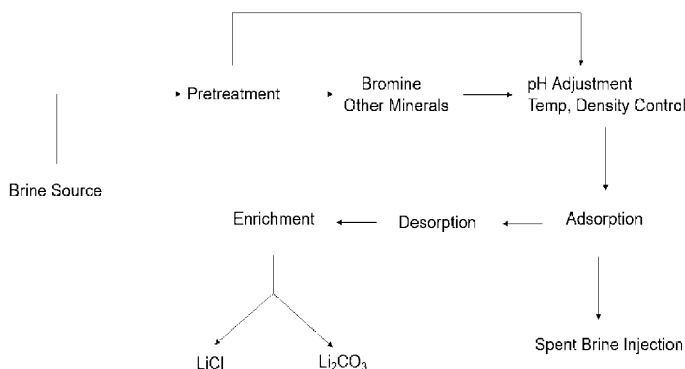


Fig. 1

(57) Abstract: Producing high purity lithium solution from a source brine containing at least 1 mg Li/kg brine, preferably 10 mg/kg, more preferably 25 mg Li/kg brine; treating the source brine, if necessary in pretreatment steps; processing the treated brine in a lithium adsorption step; after the adsorption step, desorbing the adsorbed lithium in a desorption step; after the desorption step, treating the desorption effluent in an enrichment step. Specified optional steps and new features can be used to increase lithium concentrations and purity.