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(54) **Title**: RECOVERY OF RETROGRADE SOLUBLE SOLUTE FOR FORWARD OSMOSIS WATER TREATMENT

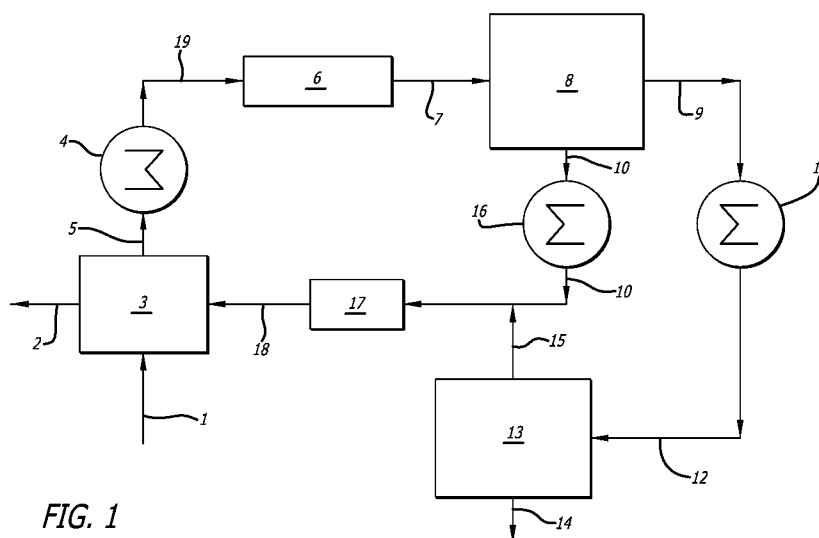


FIG. 1

(57) **Abstract**: Improved systems and processes for forward osmosis water purification or desalination are herein disclosed. According to one embodiment a process for purifying contaminated water is provided wherein a contaminated feed solution stream comprising water and with a first osmotic pressure is passed through a semipermeable membrane to a draw side having a draw solution stream with a second osmotic pressure on a draw side of the semipermeable membrane. The diluted draw solution stream is heated, agglomerated and cooled to produce a cooled single phase water rich stream that is purified to produce a water product stream.