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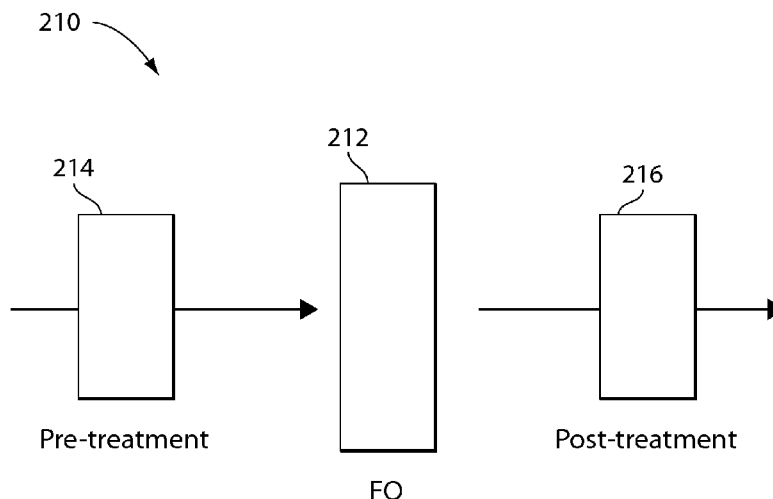
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[Continued on next page]

(54) **Title:** OSMOTIC SEPARATION SYSTEMS AND METHODS**Fig. 3**

(57) **Abstract:** Separation processes using osmotically driven membrane systems are disclosed generally involving the extraction of solvent from a first solution to concentrate solute by using a second concentrated solution to draw the solvent from the first solution across a semi-permeable membrane. Enhanced efficiency may result from using low grade waste heat from industrial or commercial sources. Pre-treatment and post-treatment may also enhance the osmotically driven membrane processes.



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