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(54) Title: METHOD OF MONITORING MEMBRANE SEPARATION PROCESSES

(57) Abstract: Methods and systems for monitoring and/or controlling membrane separation systems or processes are provided. The present invention utilizes measurable amounts of inert fluorescent tracers and tagged fluorescent agents added to a feed stream to evaluate and/or control one or more parameters specific to membrane separation such that performance thereof can be optimized. The methods and systems of the present invention can be utilized in a variety of different industrial applications including raw water processing and waste water processing.