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(54) Title: A METHOD AND A SYSTEM FOR SCALING CONTROL IN MEMBRANE SYSTEM OPERATION

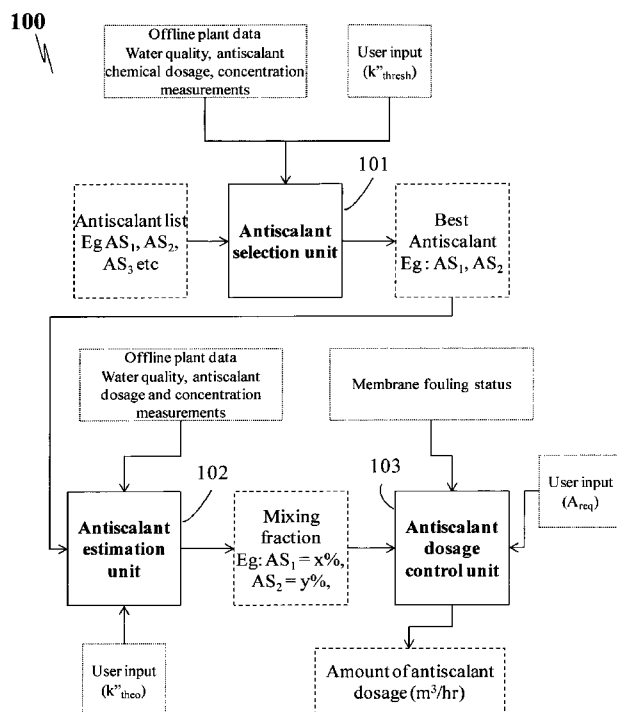


Fig. 1

(57) Abstract: The invention provides a method for scaling control in a membrane system operation. The method performed by a model in the control system of a plant. The method comprises the steps of selecting one or more antiscalant corresponding to one or more components of the scale. This is based on one or more of feed water condition, membrane material, membrane fouling status and kinetic study relating to the reaction between the antiscalants and the components of the scale. Estimating the composition of one or more selected antiscalant based on the overall scaling rate constant. Administering the dosage of the said estimated composition of one or more antiscalant. The invention also provides a system for scaling control in a membrane system operation.



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