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(54) Title: TECHNIQUES FOR MANAGING SCALE FORMATION IN WATER FILTRATION SYSTEMS AND A REVERSE OSMOSIS (RO) AND NANOFILTRATION (NF) SYSTEM IMPLEMENTING SAME

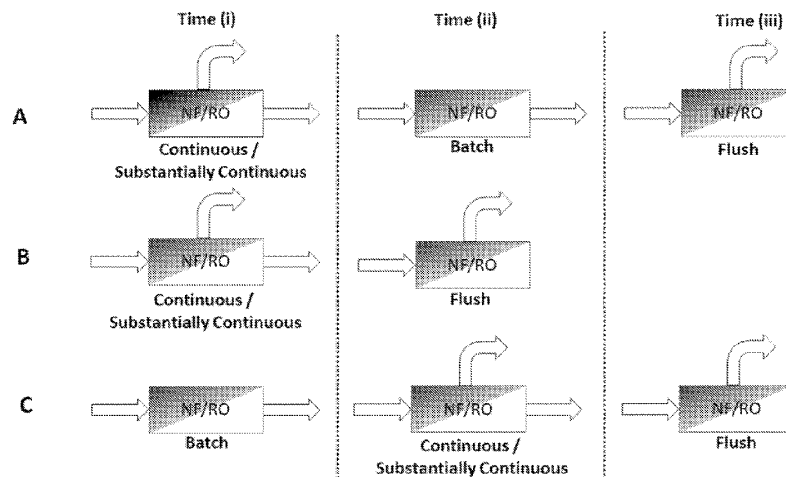


FIG. 4

(57) Abstract: The present disclosure is directed to filtering technologies that combine elements of continuous and batch NF/RO based on the constraints of the end-user facility to achieve a target balance between, for instance, recovery and power consumption, and to reduce long term operating cost of a plant. A method for extending batch operation into a second induction period with antiscalant injection is also disclosed herein, with the second induction period allowing for yet higher water recovery.

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