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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

(54) Title: METHOD FOR CONTROLLING FOULING OF A MEMBRANE FILTER

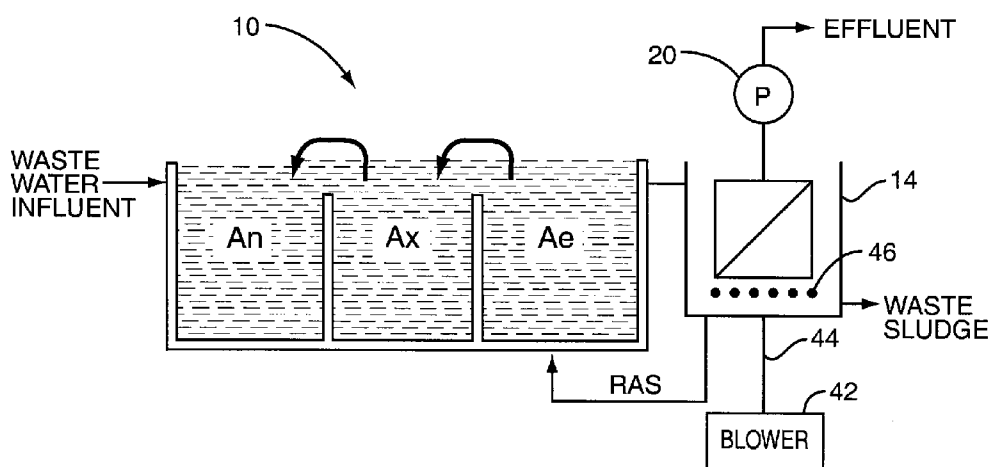


FIG. 1

(57) Abstract: A membrane bioreactor system includes one or more biological reactors and one or more membrane tanks with each membrane tan having one or more membrane filters. To control membrane fouling, various process control variables are employed. First, the membrane filters are cleaned by an air scouring process where bubbles are moved upwardly adjacent the membrane filters and clea the same in the process. To control membrane fouling, a process is utilized that dynamically varies the air scouring flow rate (V) as a function of transmembrane pressure (TMP). In addition, the process entails allowing permeation to start and stop which results in a series of cycles where each cycle includes a permeation phase and a relaxation phase.

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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006/0201876 A1 (JORDAN) 14 September 2006 (14.09.2006), entire document, especially FIG. 24, para [0002], [0060], [0065], [0126], [0168], [0193]	7
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Y	US 2007/0039888 A1 (GINZBURG et al.) 22 February 2007 (22.02.2007), entire document, especially para [0045], [0046] to Ginzburg et al. (hereinafter Ginzburg).	1-6 and 8-9
Y		1-6 and 8-9
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