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(54) Title: BUFFER FORMULATION METHOD AND SYSTEM

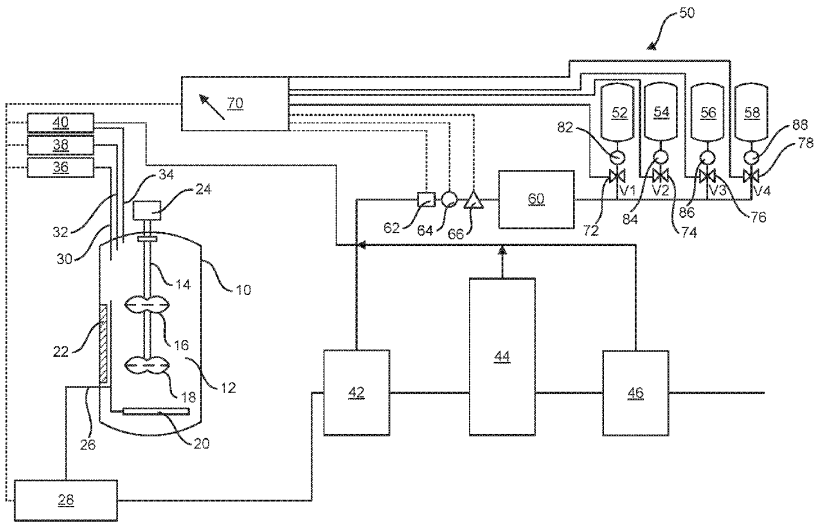


FIG. 1

(57) Abstract: The monitoring and control of bioprocesses is provided. More particularly, the present disclosure is directed to formulating buffer products from multiple buffer solutions for feeding the different operations occurring within a bioprocess line. As the buffer product is being formulated, the buffer product is tested for conductivity, refractive index, and optionally pH. The conductivity measurements are used in conjunction with refractive index measurements to ensure that the buffer product not only has the correct concentration of ions but also has the correct concentration of components. A controller can be used to make automatic adjustments to the buffer product should any of the measured parameters fall outside a preset range.

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