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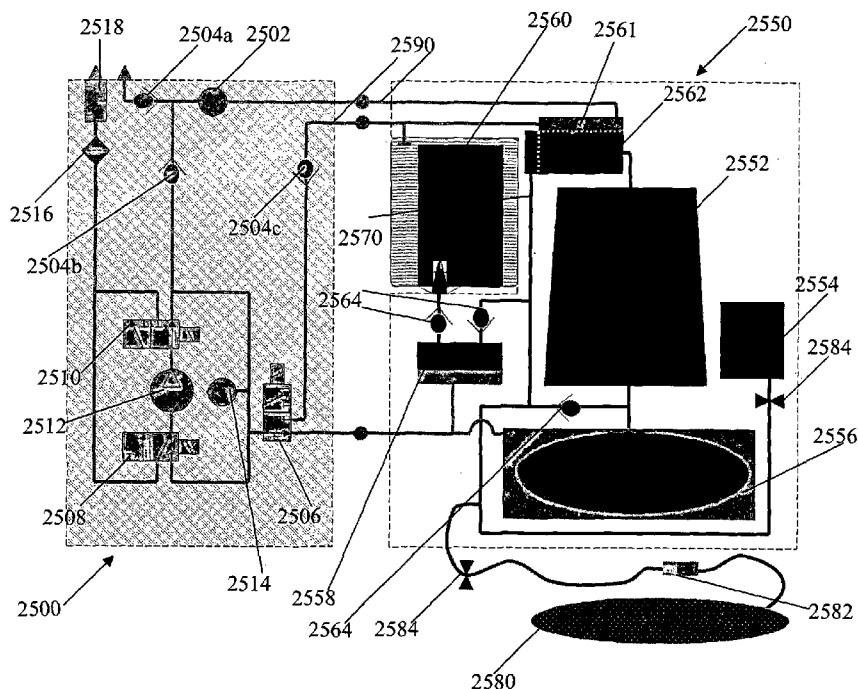
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(54) Title: SENSING SYSTEM FOR DETECTING A SUBSTANCE IN A DIALYSATE



(57) Abstract: Embodiments of the present invention provide a sensing system for detecting a substance in a dialysate, the system including: a hydrophobic barrier capable of allowing the substance in the dialysate to equilibrate to a gas; a detector capable of detecting the gas; an interface disposed between the hydrophobic barrier and the detector and configured to allow fluid communication of the gas; and one or more delivery mechanisms capable of transporting the gas from the hydrophobic barrier to the detector. A method of detecting ammonium gas in a dialysate is also provided.



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— *with international search report (Art. 21(3))*

Declarations under Rule 4.17:

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