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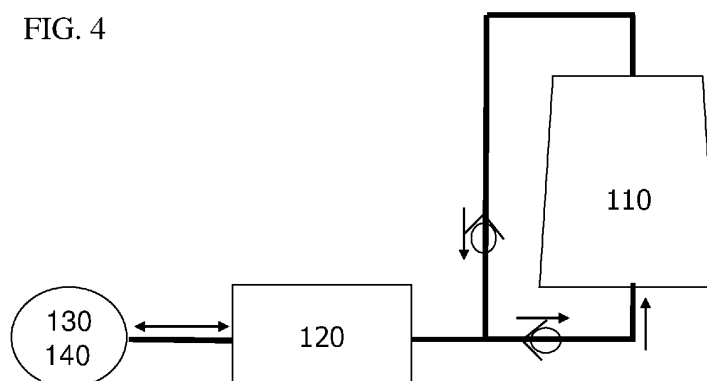
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(54) Title: DIALYSATE REGENERATOR COMPRISING REVERSIBLE RETAINER

FIG. 4



(57) Abstract: An aspect of the disclosure relates to a dialysate regenerator, including: a purification means; at least one reversible retainer including an ion reservoir; a dialysate flow path including a dialysate inlet for receiving a dialysate, a dialysate outlet for dispensing the dialysate, the purification means and the at least one reversible retainer; a pump connected to the dialysate flow path and configured to generate a flow of the dialysate from the dialysate inlet via the reversible retainer and the purification means to the dialysate outlet, wherein a direction of the dialysate flow path through the reversible retainer is reversible.

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