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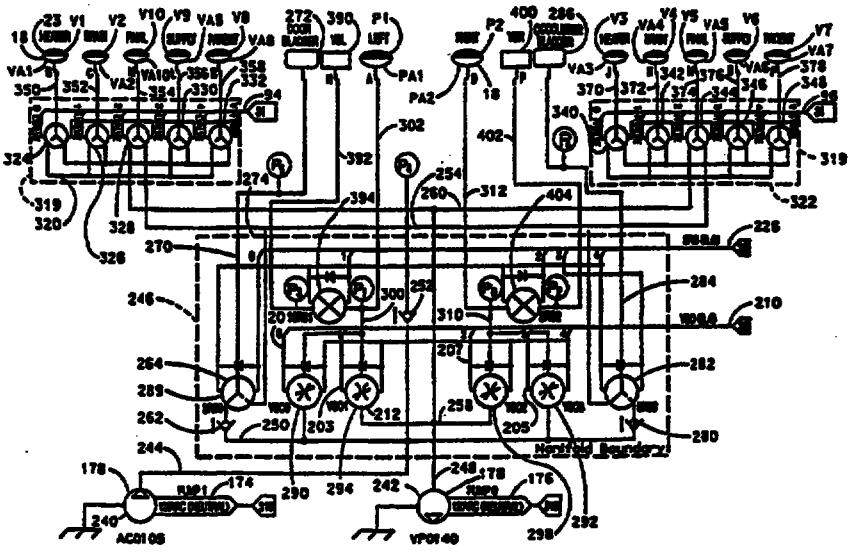
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(54) Title: PERITONEAL DIALYSIS SYSTEM WITH VARIABLE PRESSURE DRIVE



(57) Abstract

A variable pressure drive peritoneal dialysis system (10) has a pneumatic pressure system (16) for purging and controlling a flow of dialysate through a disposable dialysate cassette (23) of a disposable dialysate delivery set (21). The pneumatic pressure system (16) has a variable-opening flow proportional valve for supplying air at selected profiled pressure or vacuum to a pneumatic interface (18). The disposable dialysate cassette (23) has a diaphragm pump (P1, P2) actuable by the profiled air pressure or vacuum to move dialysate to and from a patient (28) via the disposable dialysate delivery set (21) at a desired profiled dialysate pressure.