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(54) Title: HIGH FLUX BASKET CATHETER FOR EFFICIENT, CONTINUOUS FLOW PERITONEAL DIALYSIS

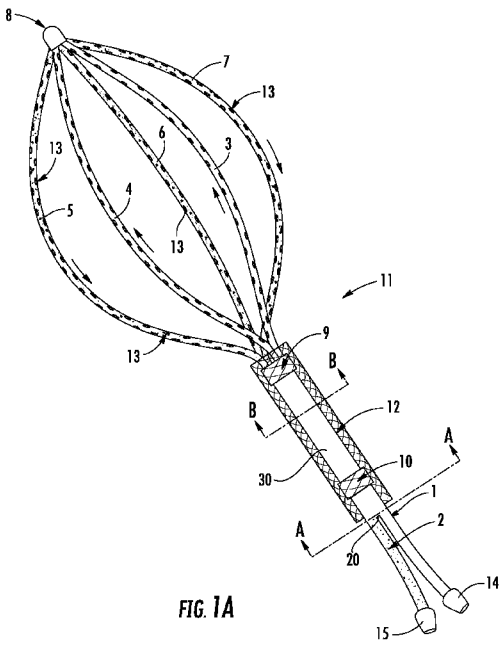


FIG. 1A

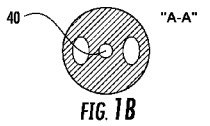


FIG. 1B

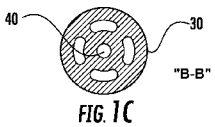


FIG. 1C

(57) Abstract: A catheter for use in continuous flow peritoneal dialysis comprising an inflow tube and outflow tube, both connected on one end to a dialysis machine. The inflow tube is divided into a plurality of inflow auxiliary tubes, and the outflow tube is divided into a plurality of outflow auxiliary tubes, with all auxiliary tubes preferably encased in a single external tube. The auxiliary tubes each contain a plurality of apertures for rapid and efficient movement of dialysis solution in and out of the peritoneal cavity to reach a larger surface area without kinking or blocking. The external tube comprises a tunnel for insertion of a fiber optic borescope to view the dialysis procedure. The auxiliary tubes are covered by a sheath prior to implantation, which is then removed, deploying, preferably into an open-basket shape, the auxiliary tubes within the peritoneal cavity to allow for the continuous flow of dialysis solution.

WO 2014/031362 A1