

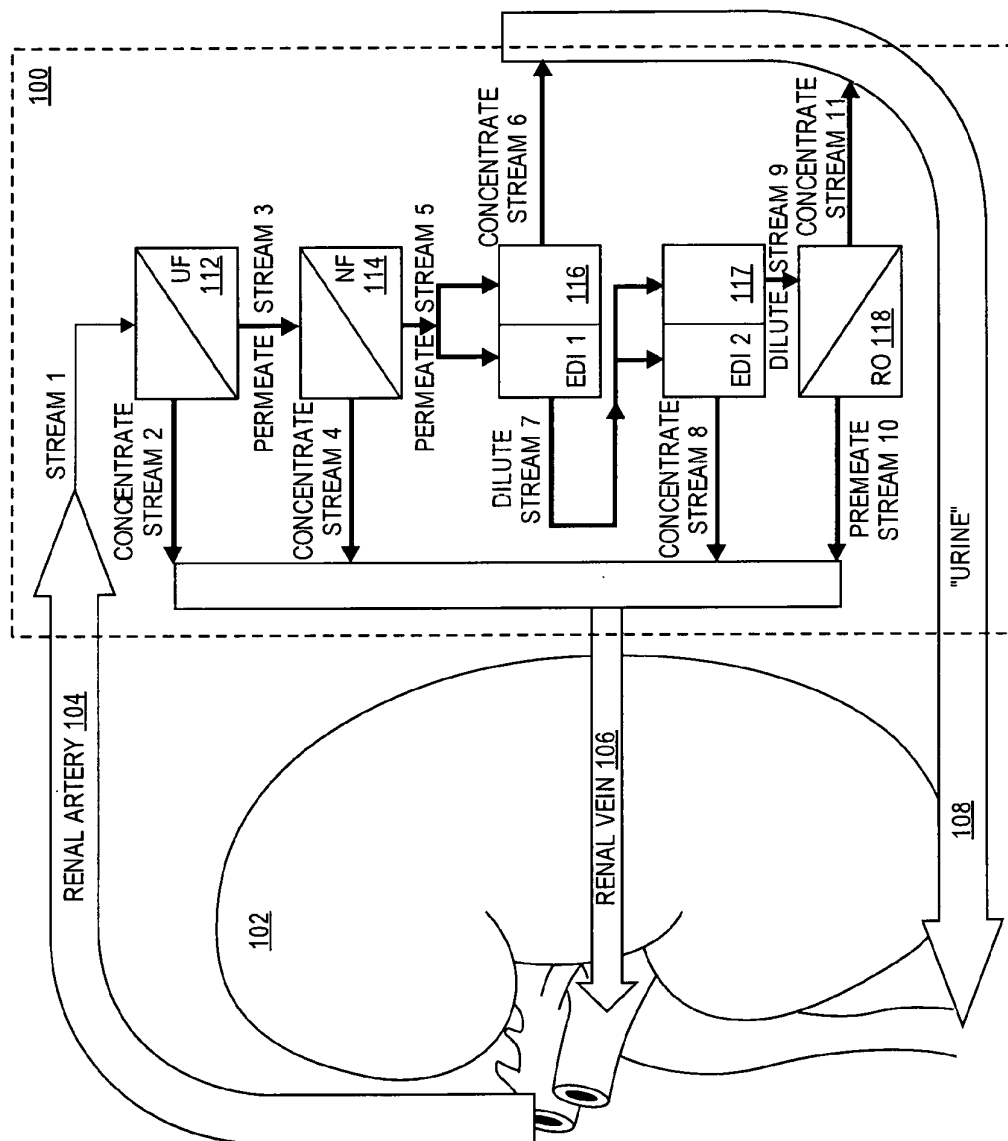


FIG. 1

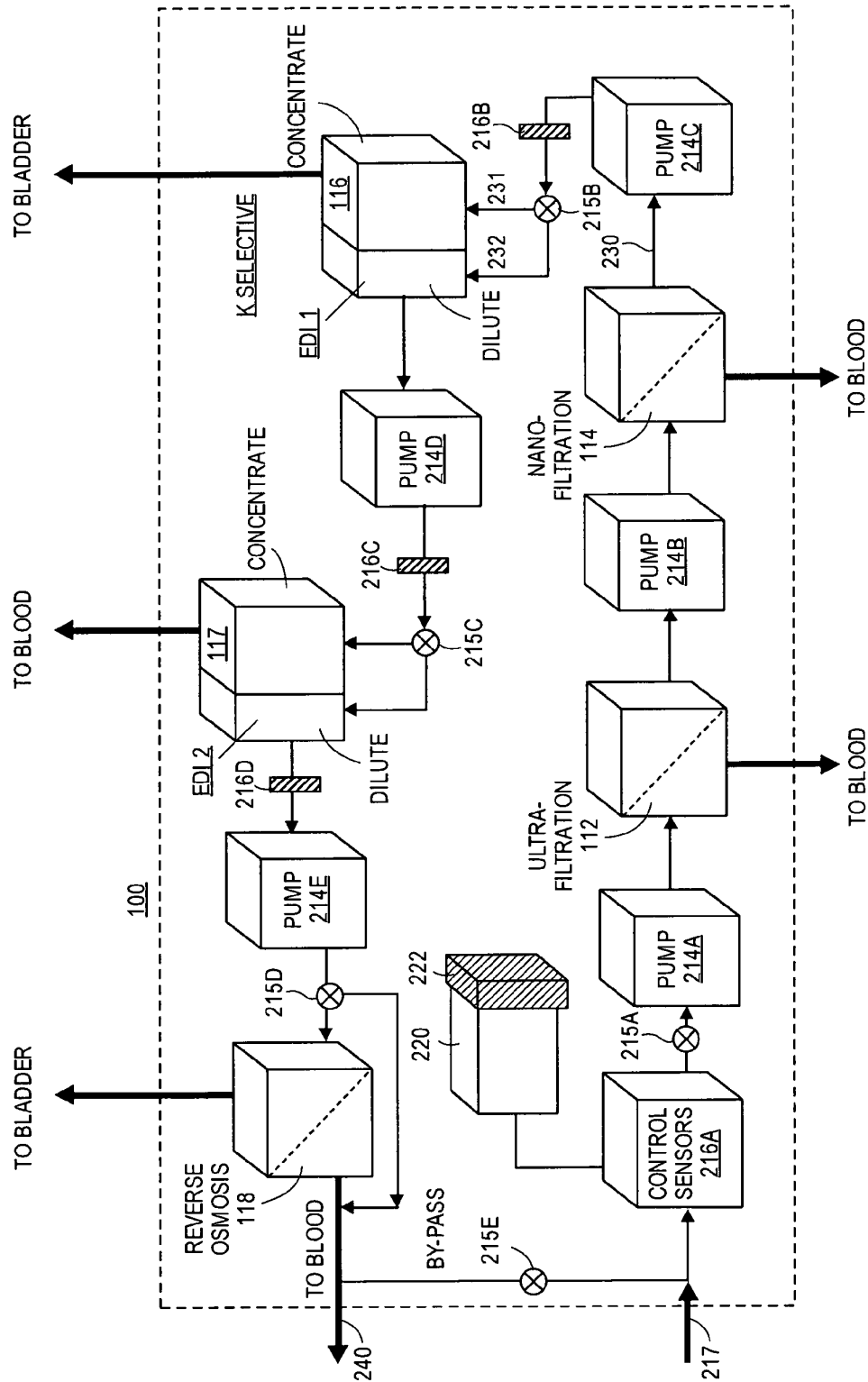


FIG. 2

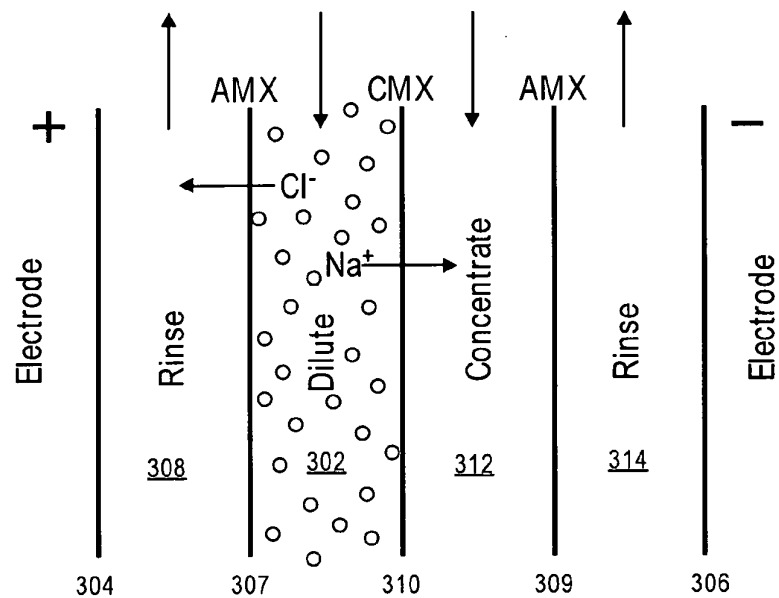


FIG. 3A

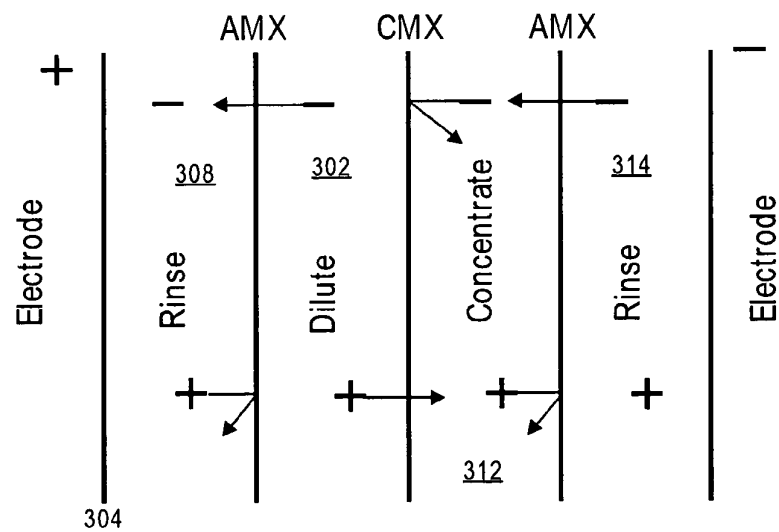


FIG. 3B

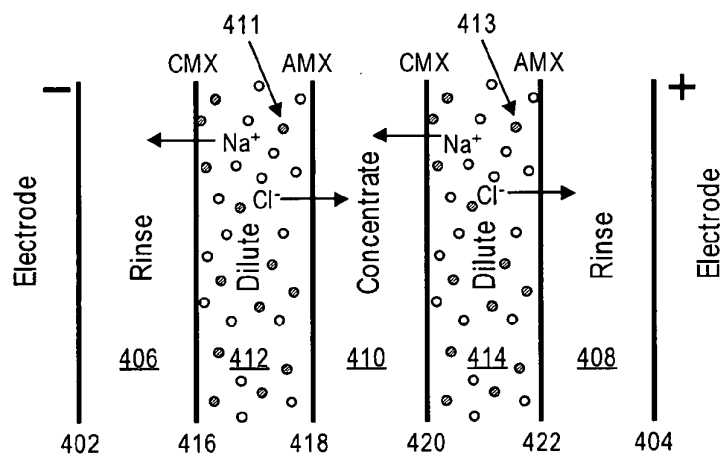


FIG. 4A

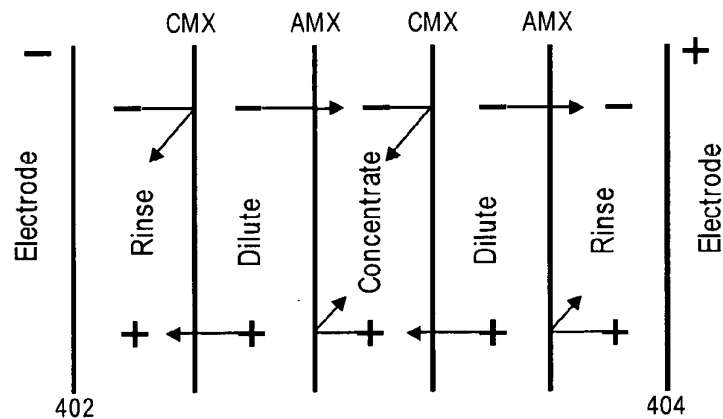


FIG. 4B

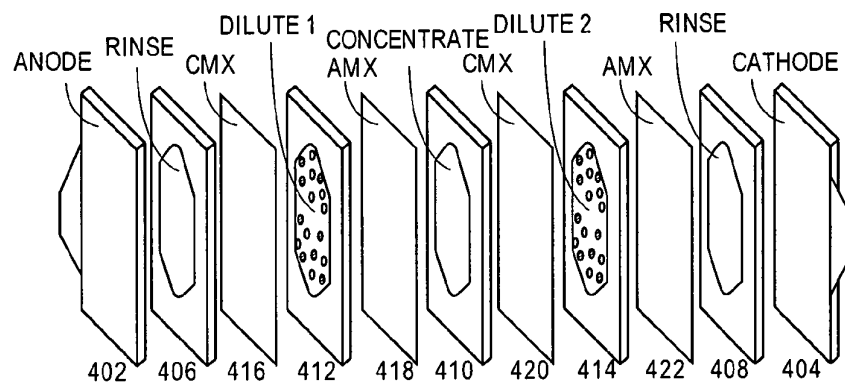


FIG. 4C

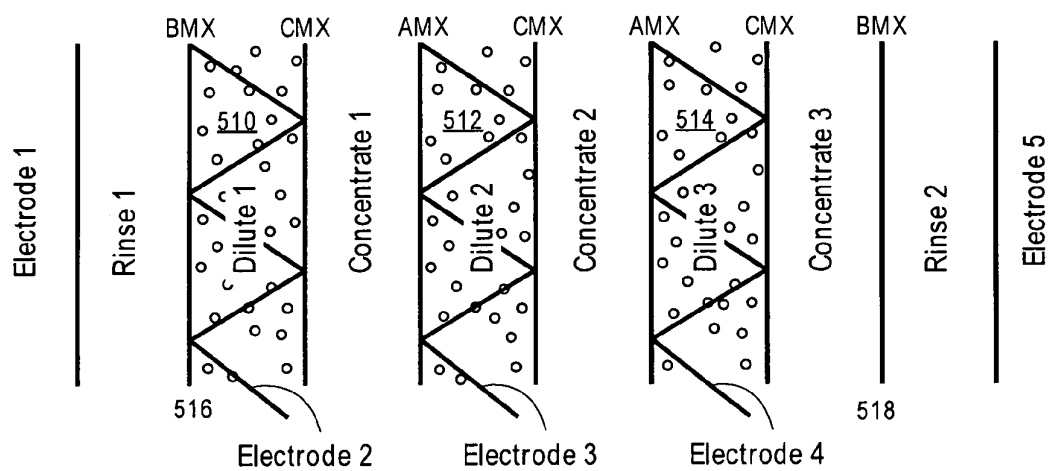


FIG. 5A

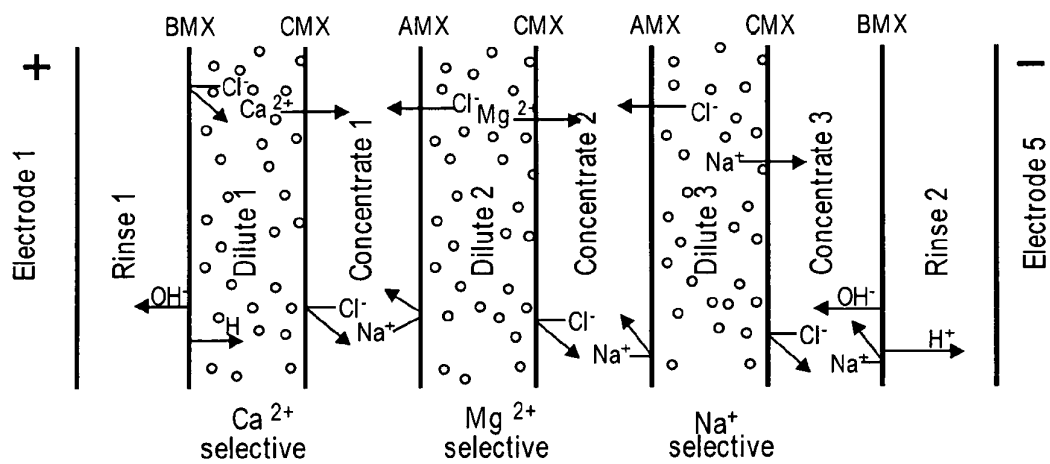
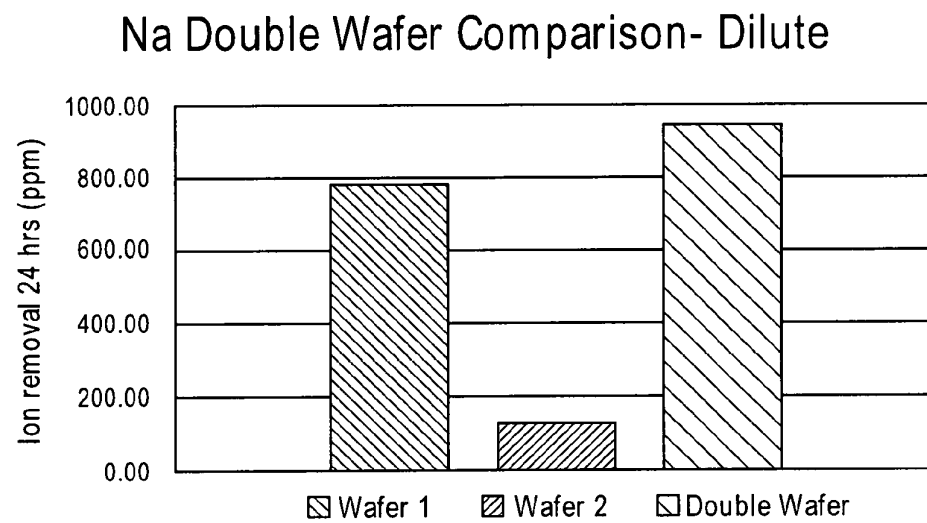


FIG. 5B

**FIG. 6**

EDI Wafer	Resin Composition of Wafer	Na	K	Ca	Cl	Mg
1	Amberlite (50% IR120, 50% IRA-400)	1.00	1.65	1.94	1.04	1.65
2	Amberlite (75% IR120, 25% IRA-400)	1.00	2.39	2.62	1.33	1.47
3	Amberlite (25% IR120, 75% IRA-400)	1.00	1.17	1.60	1.00	0.00
4	Amberlite (50% IR120, 50% IRA-900)	1.00	1.61	23.01	13.5	14.61
5	Amberlite (25% IRP-69, 75% IRA-400)	1.00	1.89	2.17	1.25	1.18
6	50% DOWex MAC3, 50% Amberlite IRA0400	1.00	3.96	5.12	2.73	3.25
7	Amberlite (50% IR120, 50% FPA55)	1.00	2.60	3.77	1.55	1.32
8	Amberlite (50% IR120, 50% IRN-78)	1.00	NA	1.44	0.84	0.78
9	Amberlite (50% IR120, 50% IRA-402)	1.00	5.31	5.85	3.01	9.37
10	Amberlite (50% IRN-77, 50% IRA-402)	1.00	1.38	1.58	1.08	1.99
11	Amberlite (50% IRN-77, 50% IRA-78)	1.00	0.68	0.96	0.46	-10.25

* ion transport rates are normalized to sodium transport

Table 1

FIG. 7A

Wafer	Resin Composition of Wafer	Na	K	Ca	Cl	Mg
1	Amberlite (50% IR120, 50% IRA-400)	2572.15	177.00	55.51	92.74	8.27
2	Amberlite (75% IR120, 25% IRA-400)	781.25	100.00	82.98	37.17	3.51
3	Amberlite (25% IR120, 75% IRA-400)	1773.44	100.00	104.37	40.83	4.43
4	Amberlite (50% IR120, 50% IRA-900)	122.50	8.62	126.04	113.40	2.49
5	Amberlite (25% IRP-69, 75% IRA-400)	968.75	83.57	70.32	60.41	1.85
6	50% DOWex MAc3, 50% Amberlite IRA0400	508.07	130.93	99.29	73.25	2.41
7	Amberlite (50% IR120, 50% FPA55)	112.79	103.70	114.71	54.45	0.84
8	Amberlite (50% IR120, 50% IRN-78)	1810.60	NA	97.96	120.59	1.45
9	Amberlite (50% IR120, 50% IRA-402)	290.32	85.00	70.16	44.81	1.67
10	Amberlite (50% IRN-77, 50% IRA-402)	1301.59	74.86	82.53	101.10	-0.10
11	Amberlite (50% IRN-77, 50% IRA-78)	1785.72	73.71	102.03	51.03	0.18

* Concentrations are in ppm

Table 2
FIG. 7B

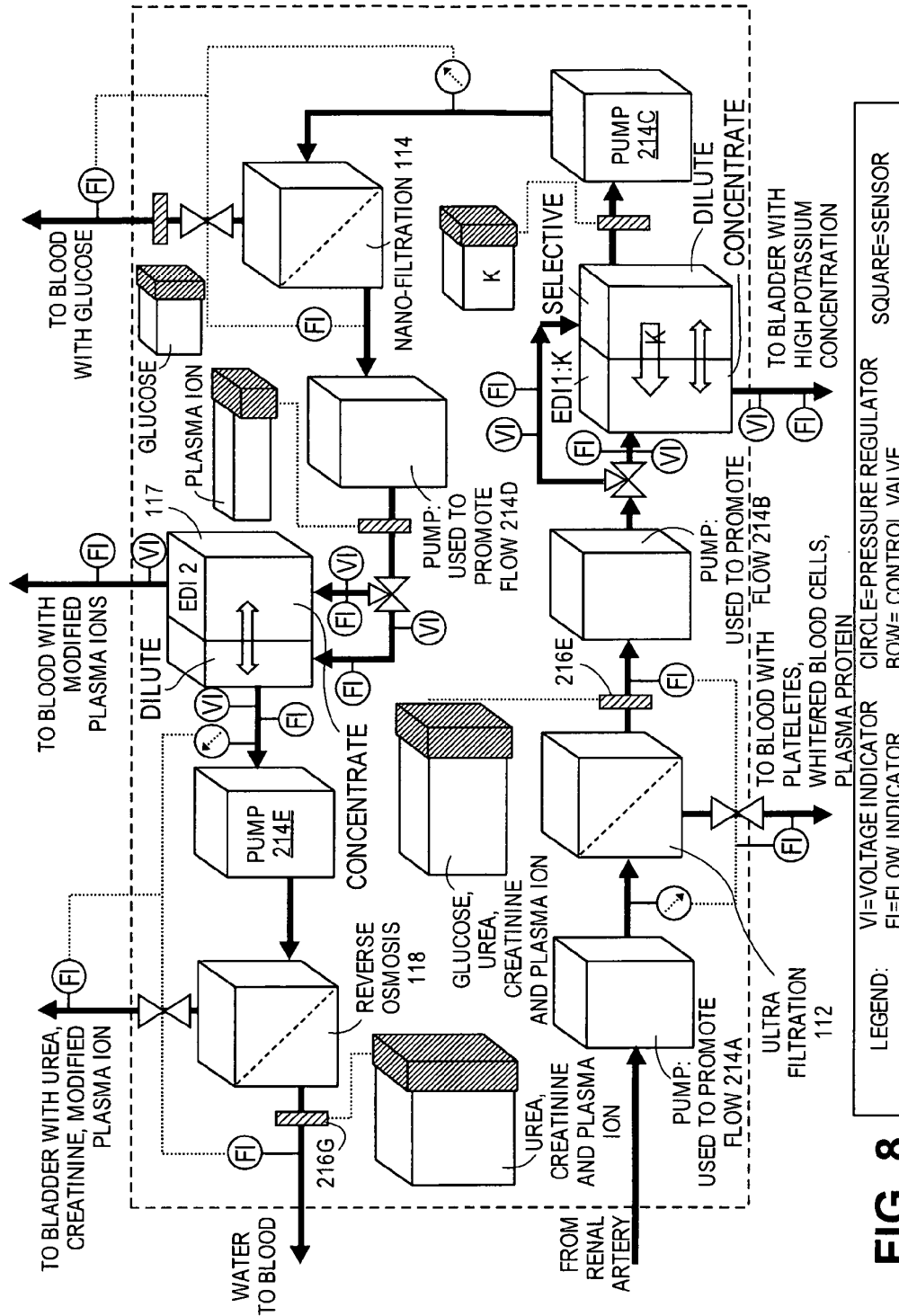


FIG. 8