

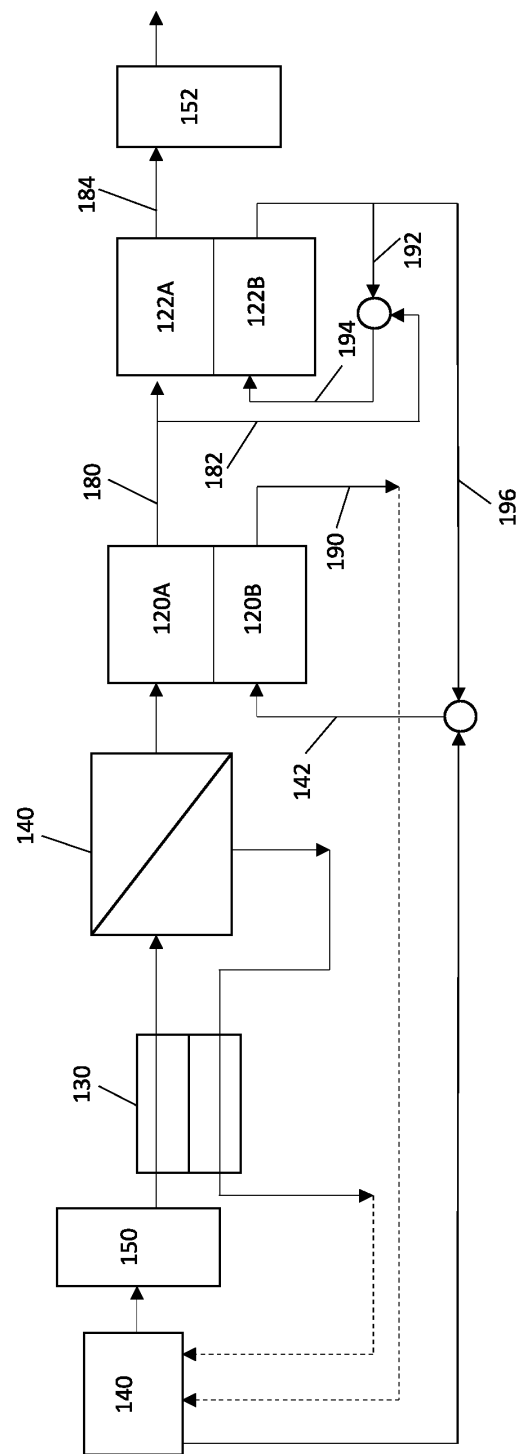


FIG. 1

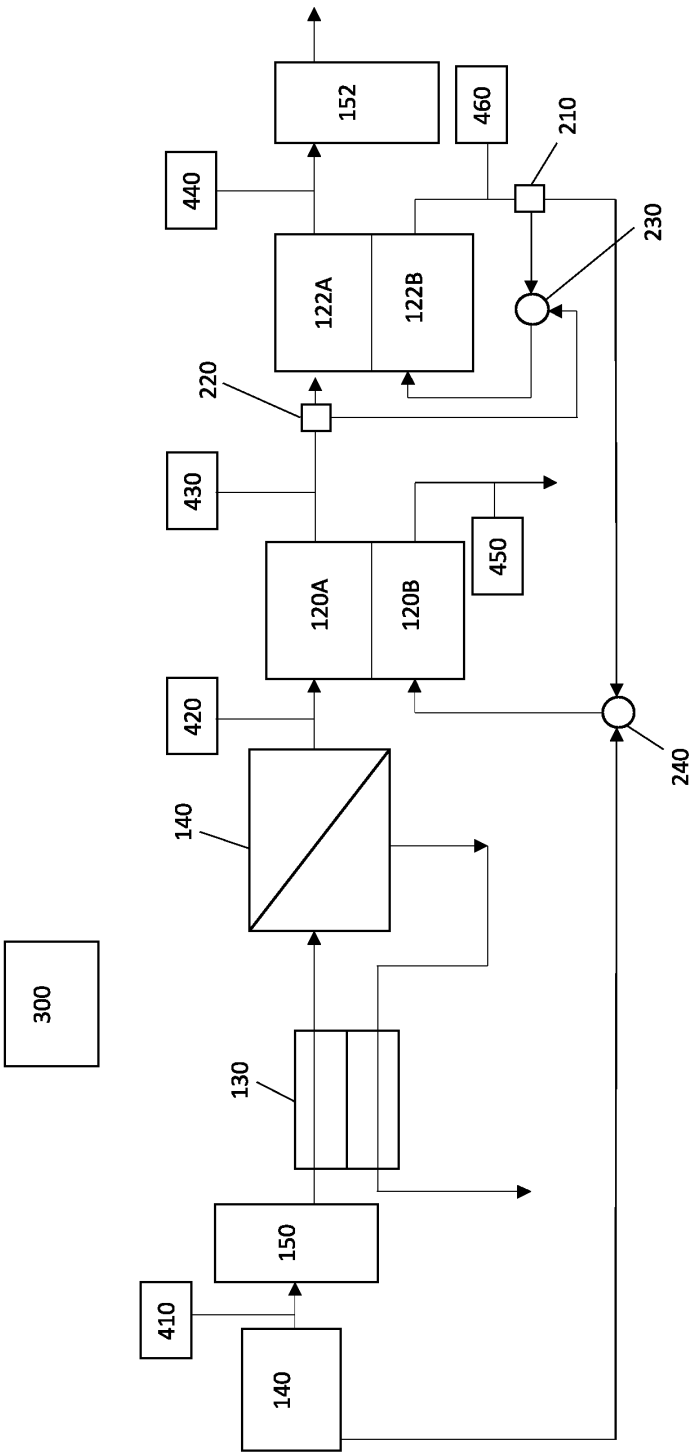


FIG. 2

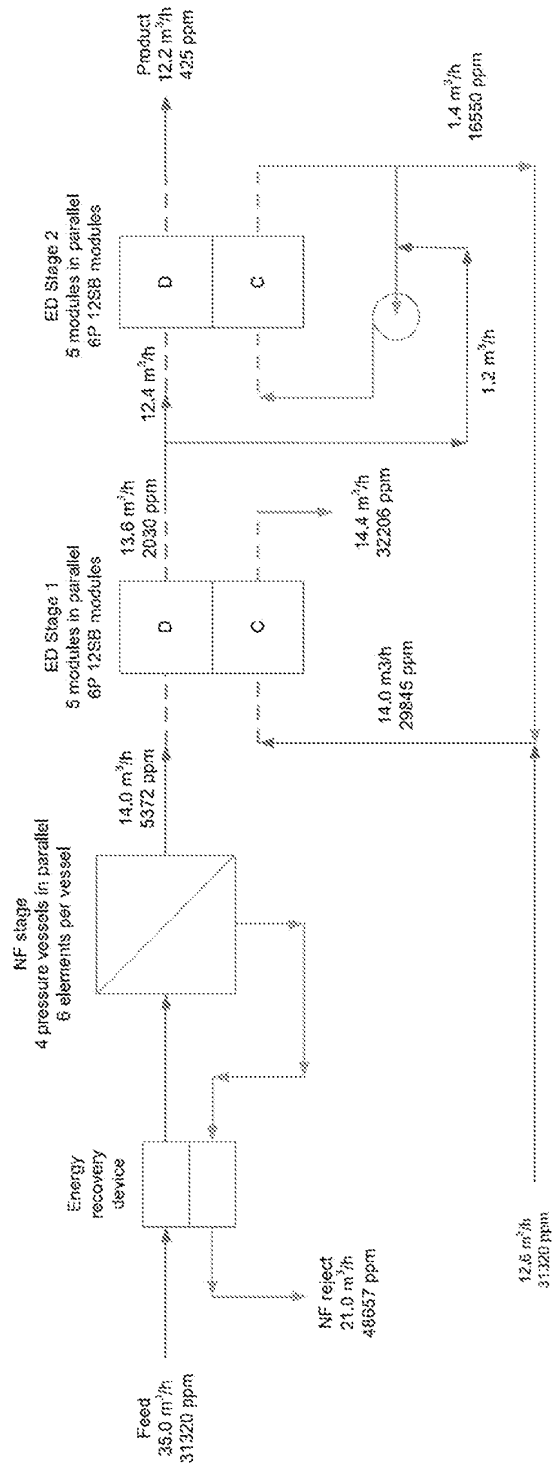
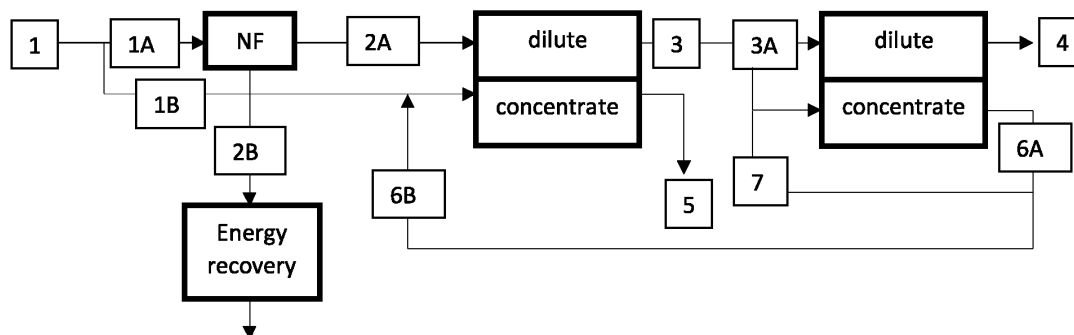


FIG. 3



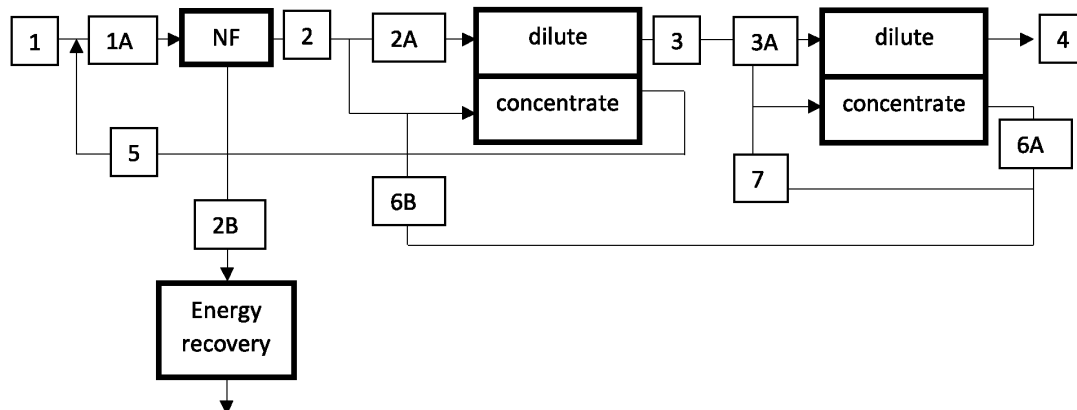
NF recovery = 50%

First ED water loss = 10%, energy = 0.42 kWh/m³

Second ED energy = 0.36 kWh/m³

	Flow rate (m ³ /h)	TDS (ppm)	Conductivity (μS/cm)	Velocity (cm/s)
1	5.47	32,000	45.5	
1A	3.76			
1B	1.7108			
2A	1.88	6,488	10.7	2.0
2B	1.88	57,417	74	
3	1.692	2,751	5	
3A	1.5228			1.62
4	1.5228	206	1	
5	2.068	32,219.48		
6A	0.1692	25,664.51	37.37	
6B	1.88	31,429.81	44.7	2.0
7	0.1692			0.18

FIG. 4



NF recovery = 50%

First ED water loss = 10%, energy = 0.42 kWh/m³

Second ED energy = 0.36 kWh/m³, recirculation = 90%

	Flow rate (m ³ /h)	TDS (ppm)	Conductivity (μS/cm)	Velocity (cm/s)
1	5.11	32,000	45.5	
1A	7.18	26,308.42	38.2	
2				3.5908
2A	1.88	6,488	10.7	2.0
2B	5.3	57,417		
3	1.692	2,751	5	
3A	1.5228		5	1.62
4	1.5228	206	1	
5	2.068	12,234.71	19.11	
6A	0.1692	25,664.51	37.37	
6B	1.88	9,446.56	15.11	2.0
7	0.1692			0.18

FIG. 5