

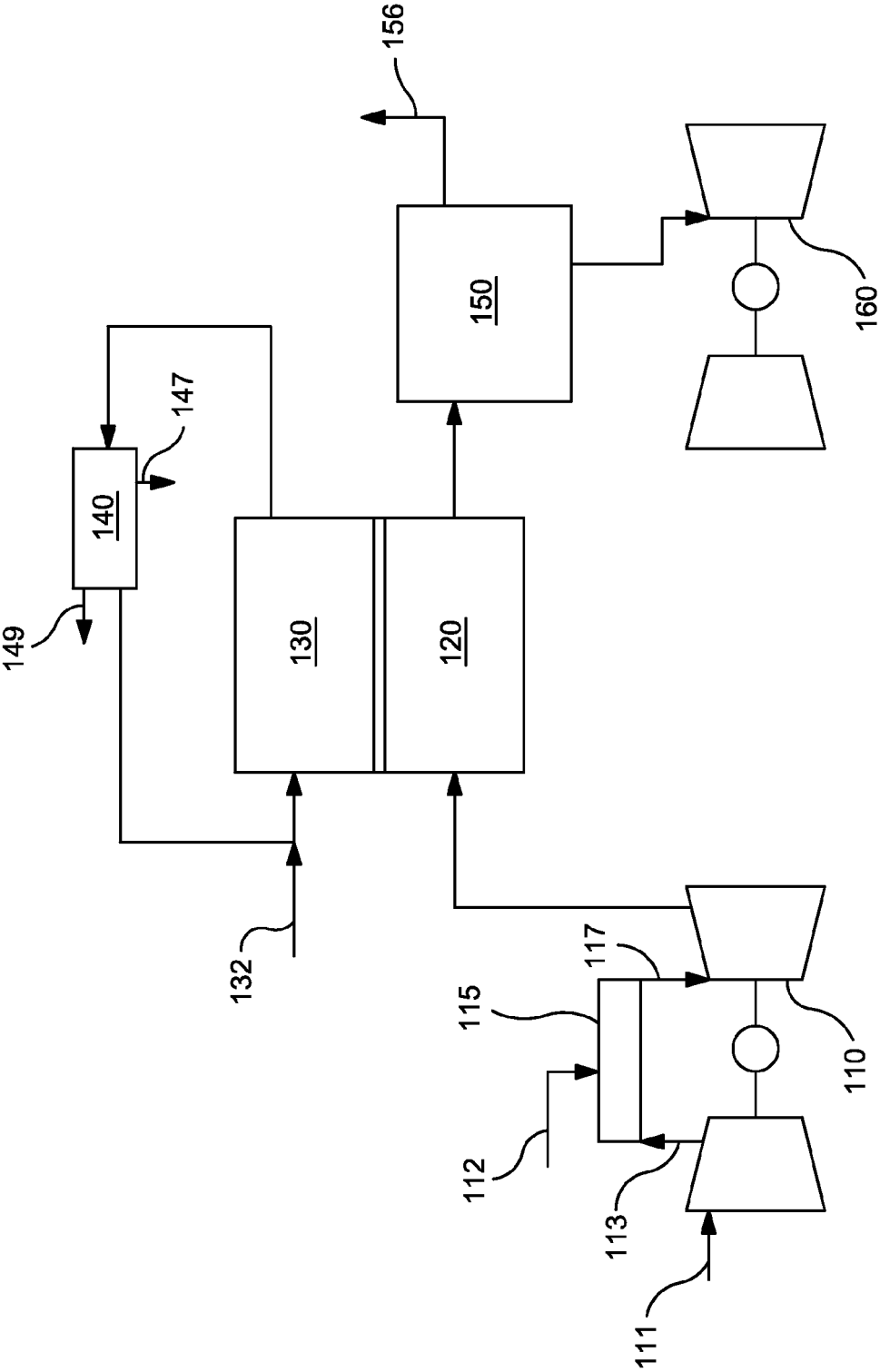


FIG. 1

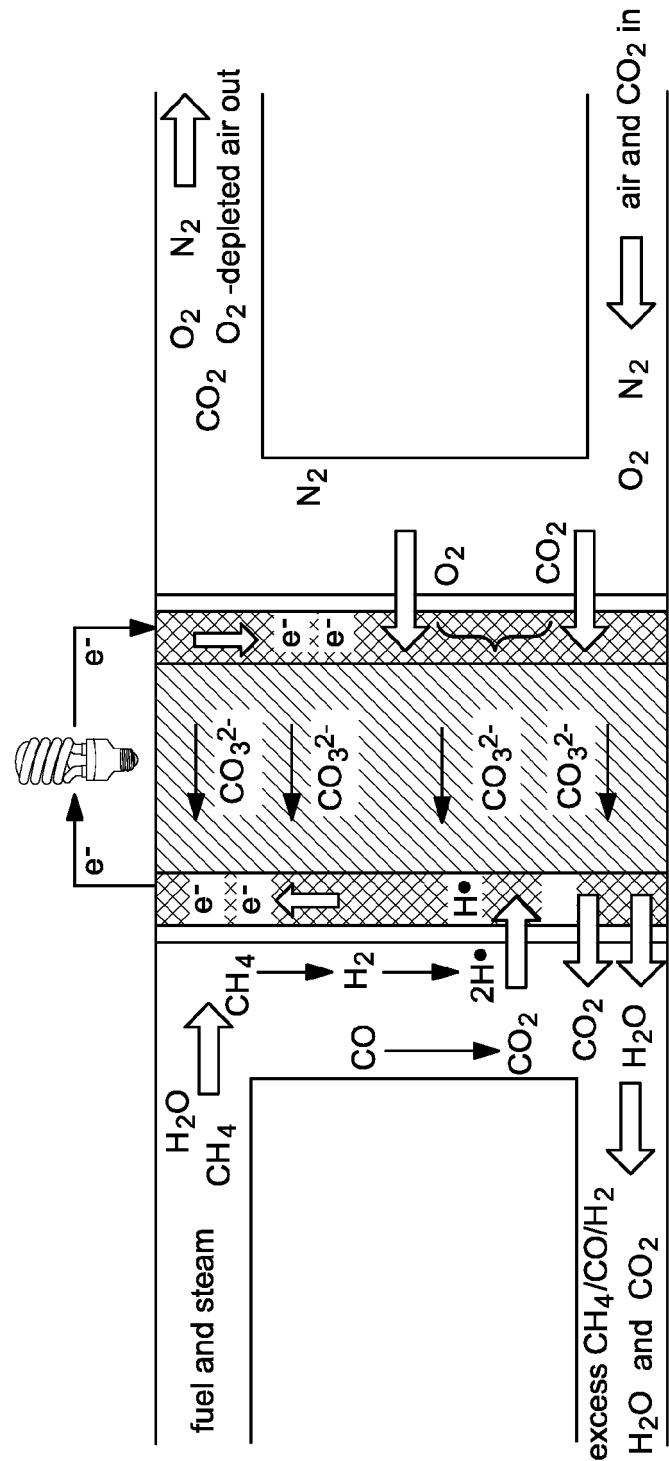


FIG. 2

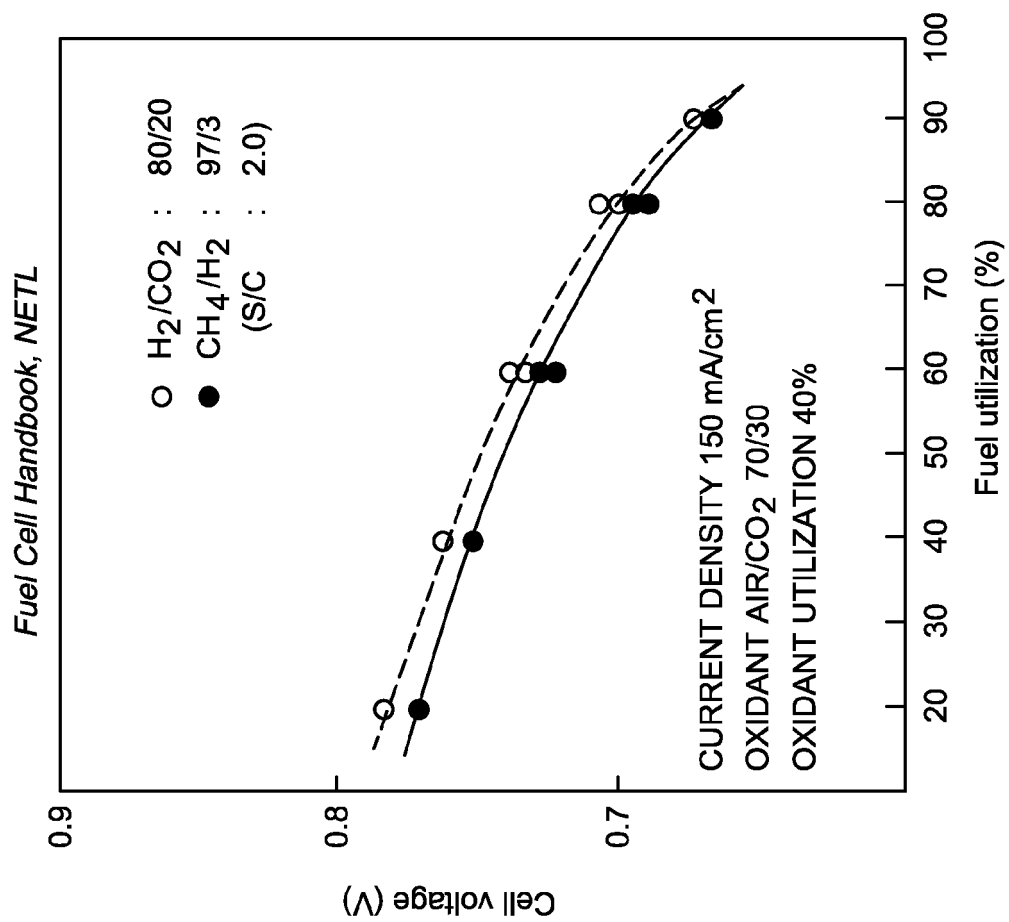


FIG. 3

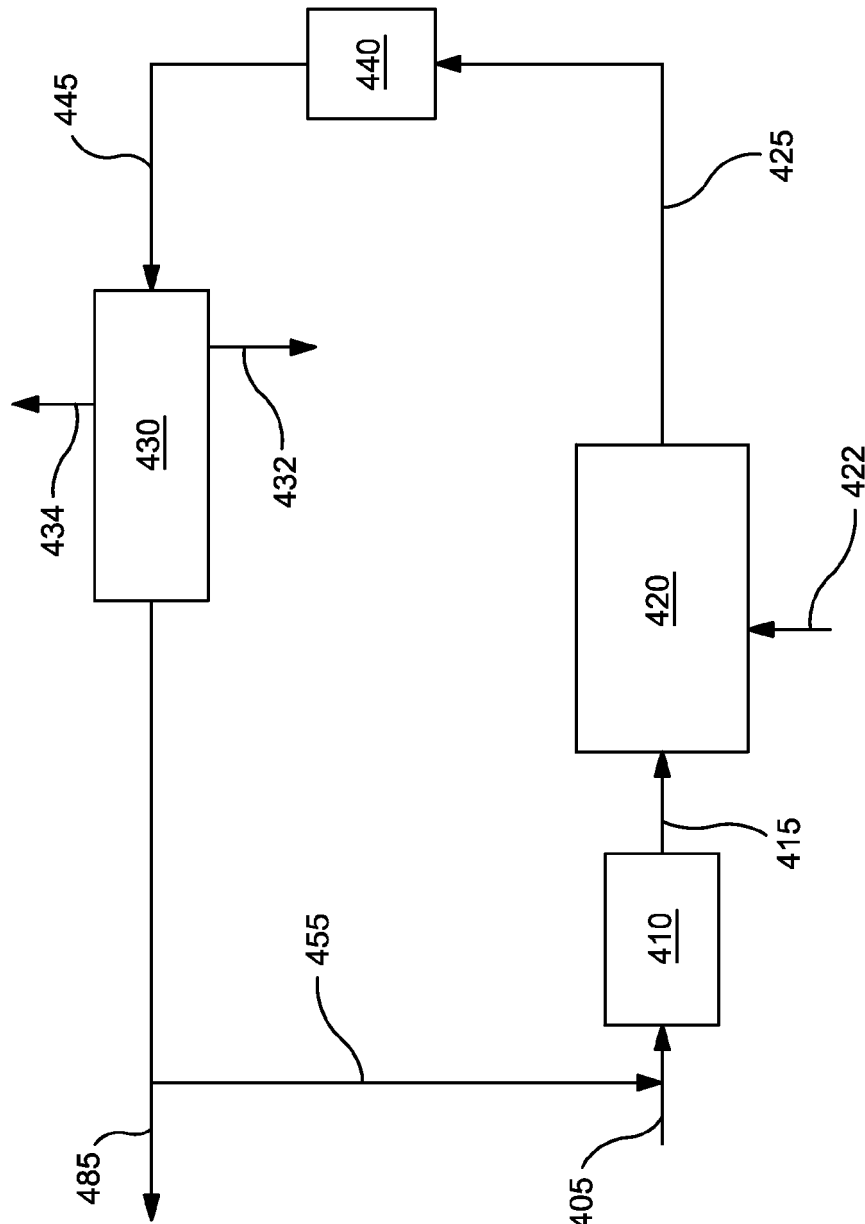


FIG. 4

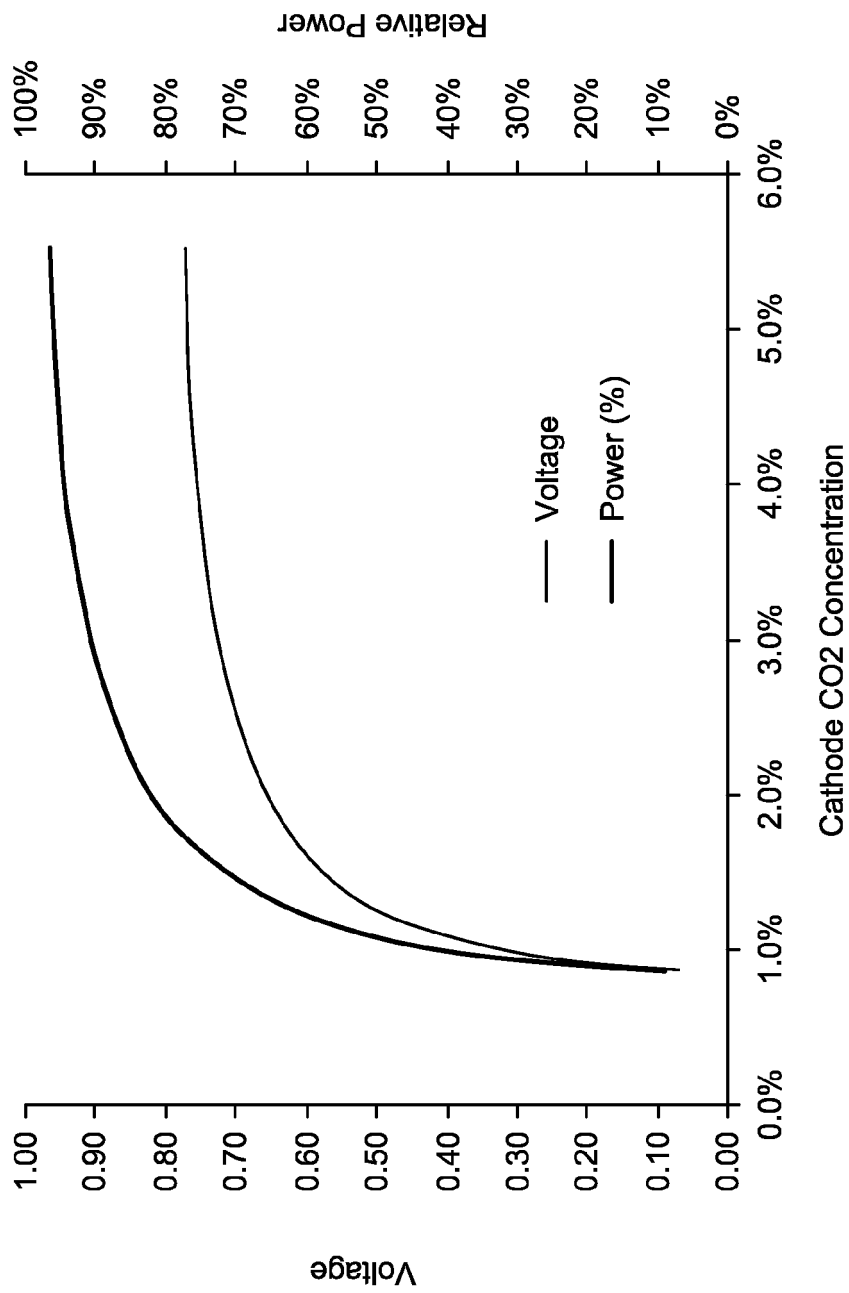


FIG. 5

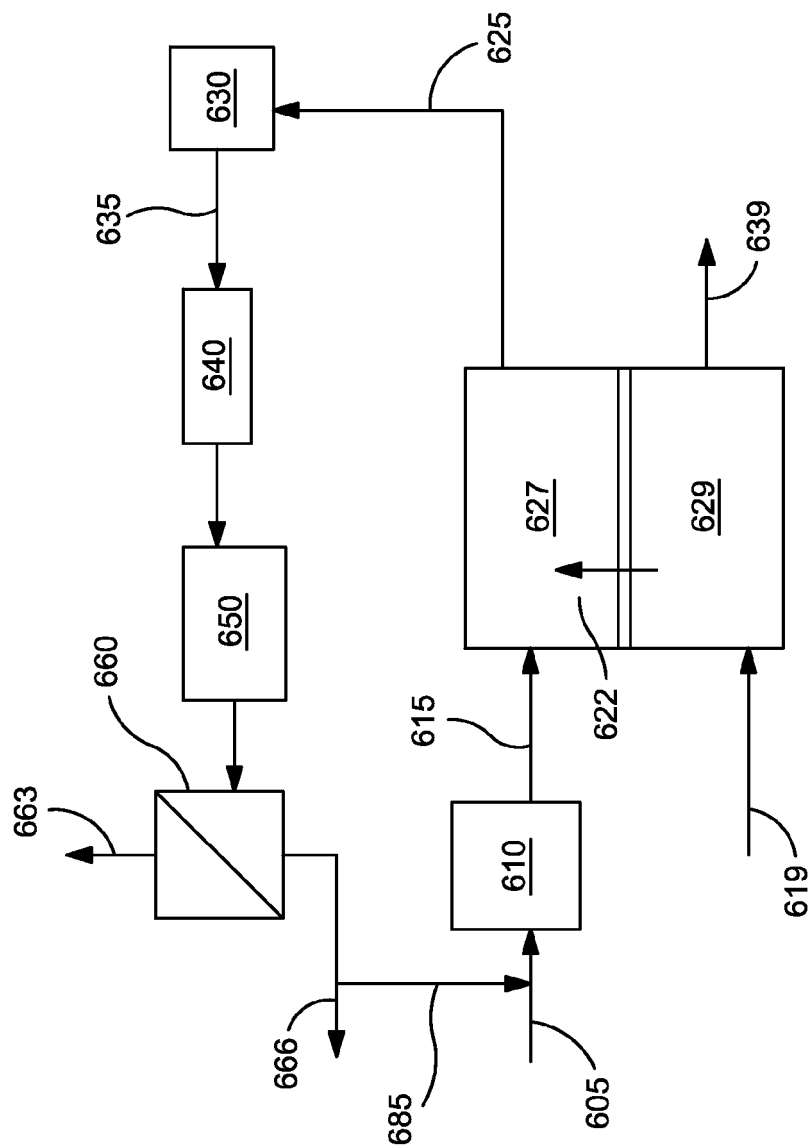


FIG. 6

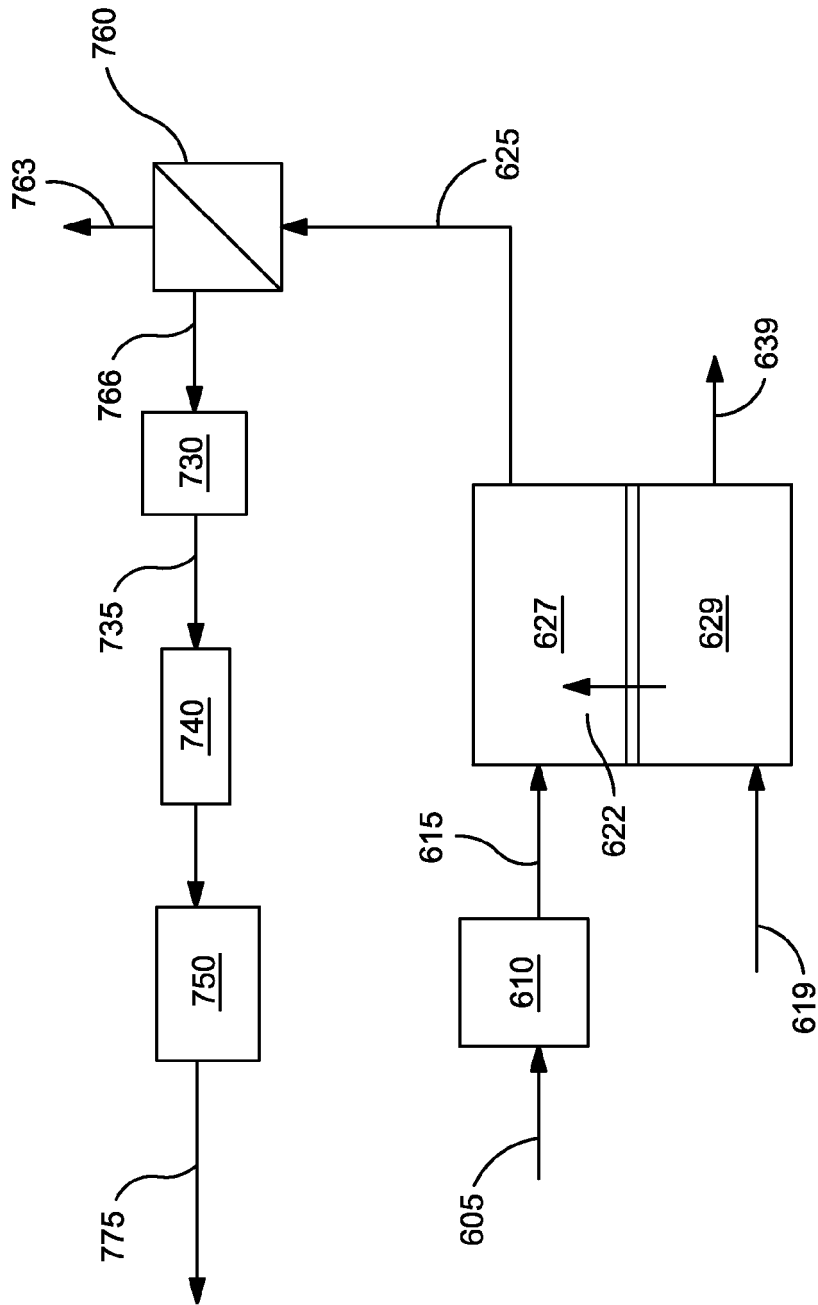


FIG. 7

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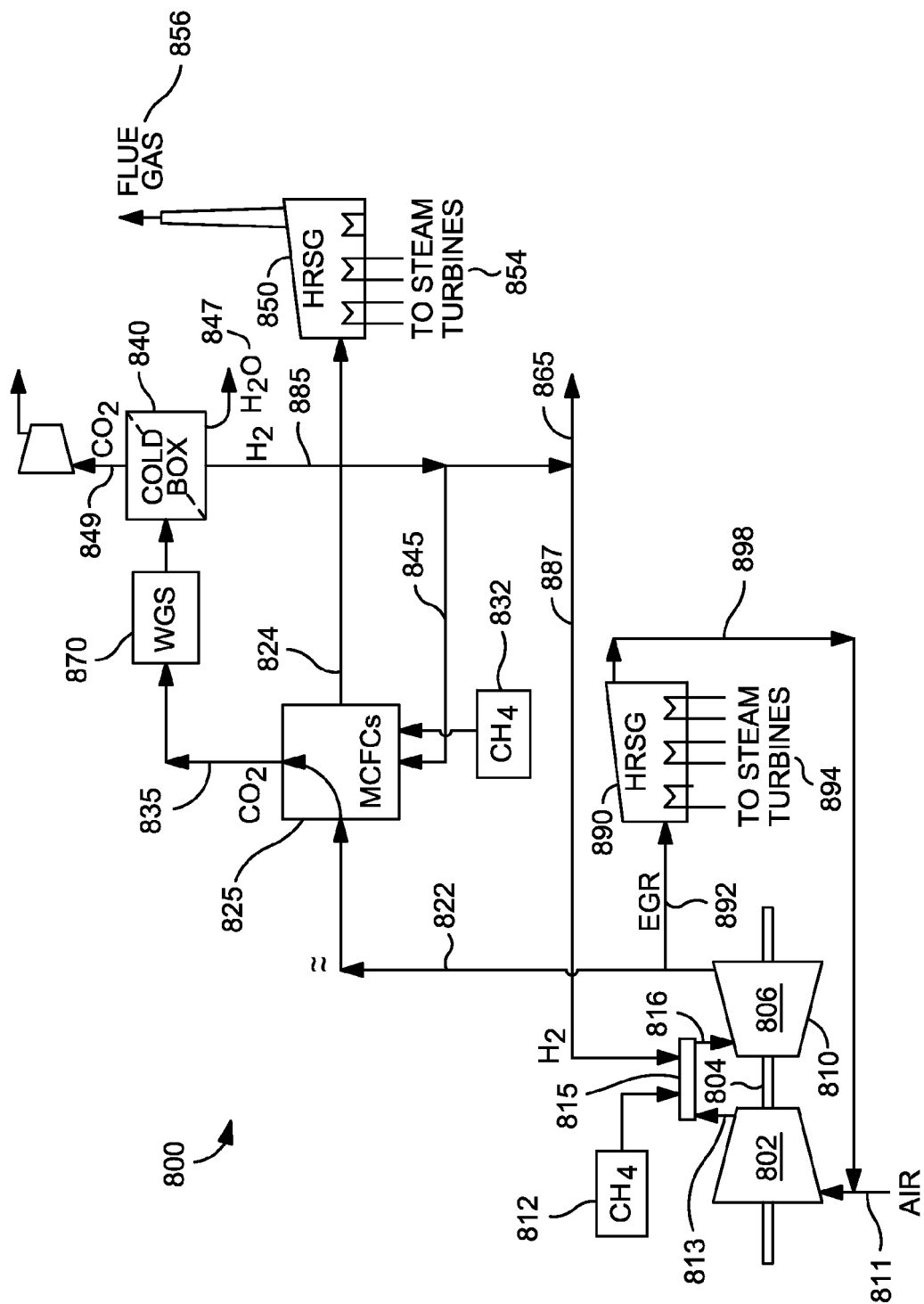


FIG. 8

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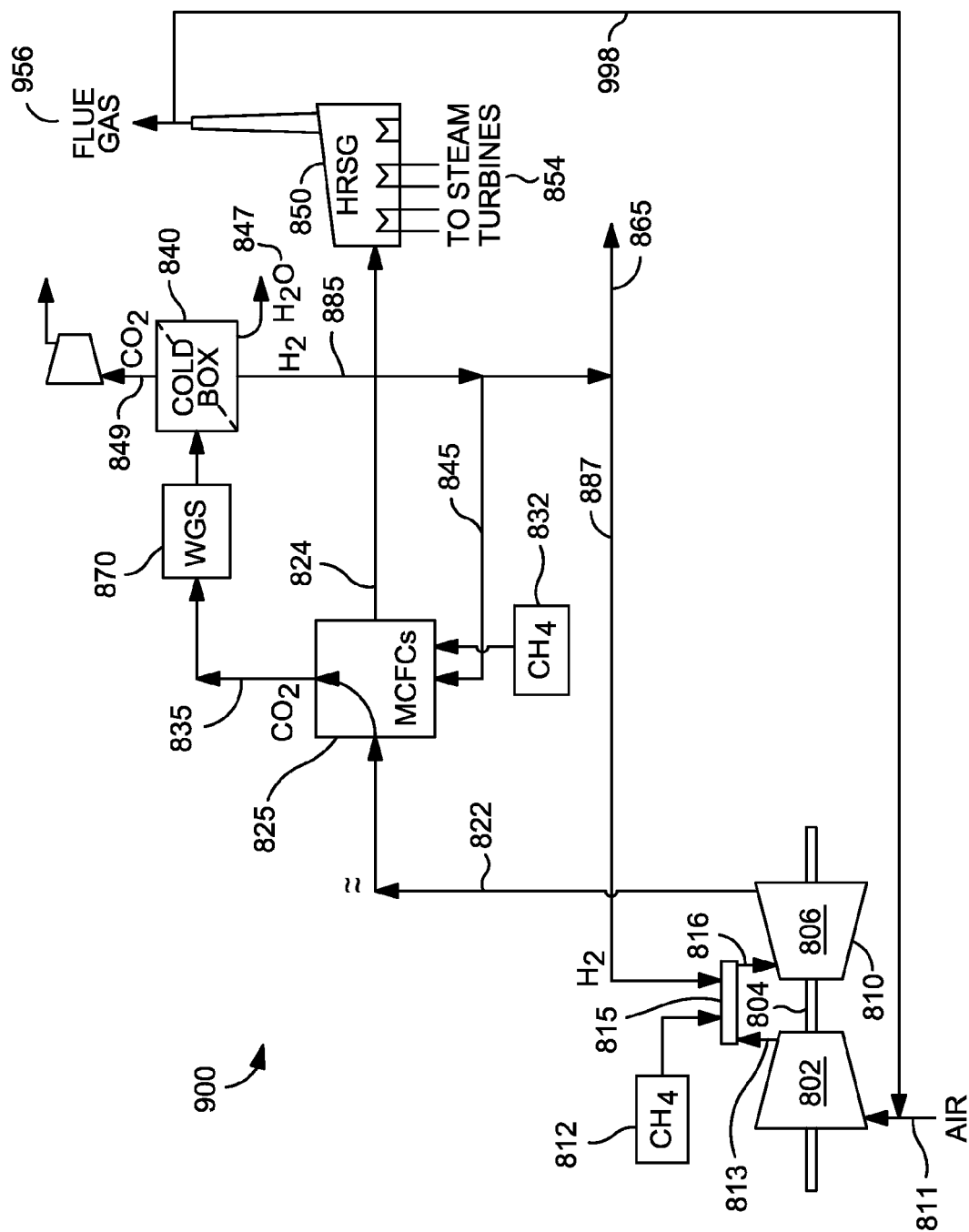


FIG. 9

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	1a (comparative)	2a	2b	2c	2d	2e
MCFC CO ₂ Exhaust Conc. (%)	1.45	1.45	1.45	1.45	1.45	1.45
MCFC O ₂ Exhaust Conc. (%)	3.0	4.7	4.7	4.7	4.7	4.7
MCFC voltage (V)	0.7	0.7	0.7	0.7	0.7	0.7
MCFC Current Density (A/m ²)	1075	1160	1230	1255	1650	1550
MCFC Area (k-m ²)	208	161	152	149	113	120
CO ₂ Capture (%)	85.2	83.7	83.8	83.8	83.9	83.9
CO ₂ Capture (Mtons / year)	2.05	1.84	1.84	1.84	1.84	1.85
Area / Tons captured (k-m ² *year / Mtons)	101.4	87.5	82.4	80.8	61.3	65
CO ₂ emissions (from cathode exhaust, lbs CO ₂ / MW/hr)	111	123	123	122	123	124
Ratio H ₂ :C (molar) in anode feed	0	0.55	1.22	1.22	3.85	3.85
N ₂ in anode feed %	1	9	8.9	14.8	14.5	18.9
Anode steam penalty (MW)	-10.9	-7	-7	-0.4	-7	-0.4
Cryogenic separation penalty (MW)	-18.9	-16.6	-13.5	-8	-17.7	-12.2
% turbine fuel that is H ₂ or CO	0	0	0	0	0	0
Total net power (MW)	724	661	664	676	660	672
Electrical efficiency (%)	58.9	58.9	59.1	60.2	58.9	59.8

FIG. 10

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	1b (comparative)	3a	3b	3d	4d	4e
MCFC CO ₂ Exhaust Conc. (%)	1.45	1.45	1.45	1.45	1.45	1.45
MCFC O ₂ Exhaust Conc. (%)	3.6	3.8	4.8	5.2	5.0	5.0
MCFC voltage (V)	0.7	0.7	0.7	0.7	0.7	0.7
MCFC Current Density (A/m ²)	1015	1085	1020	1120	1350	1470
MCFC Area (k-m ²)	190	186	173	132	122	112
CO ₂ Capture (%)	83.7	84.6	83.5	82.8	83.3	83.3
CO ₂ Capture (Mtons / year)	1.95	1.85	1.80	1.70	1.77	1.77
Area / Tons captured (k-m ² *year / Mtons)	97.6	100.3	96.1	77.4	68.9	63.4
CO ₂ emissions (from cathode exhaust, lbs CO ₂ / MWh _{hr})	117	114	124	128	126	126
Ratio H ₂ :C (molar) in anode feed	0	0	0	0	1.29	1.29
N ₂ in anode feed %	1	1	1	1	1.4	2.4
Anode steam penalty (MW)	-9.4	-9.9	-8.6	-10.9	-9.2	-0.5
Cryogenic separation penalty (MW)	-12.1	-17.1	-11.1	-10.1	-11.3	-4.2
% turbine fuel that is H ₂ or CO	0	8.8	7.1	19.0	10.6	10.6
Total net power (MW)	702	668	658	638	650	665
Electrical efficiency (%)	59.1	59.7	59.8	60.7	59.9	61.4

FIG. 11

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	4d	4e	4f	5d	5e	5f
MCFC CO ₂ Exhaust Conc. (%)	1.45	1.45	1.45	1.45	1.45	1.45
MCFC O ₂ Exhaust Conc. (%)	5.0	5.0	5.3	2.0	2.0	2.5
MCFC voltage (V)	0.7	0.7	0.7	0.7	0.7	0.7
MCFC Current Density (A/m ²)	1350	1470	1685	1340	1470	1710
MCFC Area (k-m ²)	122	112	86	128	117	88
CO ₂ Capture (%)	83.3	83.3	82.7	86.2	86.2	85.7
CO ₂ Capture (Mtons / year)	1.77	1.77	1.70	1.84	1.84	1.77
Area / Tons captured (k-m ² *year / Mtons)	68.9	63.4	50.6	69.5	63.6	49.8
CO ₂ emissions (from cathode exhaust, lbs CO ₂ / MW _{hr})	126	126	126	103	102	104
Ratio H ₂ :C (molar) in anode feed	1.29	1.29	1.99	1.29	1.29	1.99
N ₂ in anode feed %	1.4	2.4	1.9	1.4	2.4	1.9
Anode steam penalty (MW)	-9.2	-0.5	-0.5	-9.5	-0.5	-0.6
Cryogenic separation penalty (MW)	-11.3	-4.2	-2.6	-11.8	-4.3	-2.7
% turbine fuel that is H ₂ or CO	10.6	10.6	19.2	11.0	11.0	20.0
Total net power (MW)	650	665	654	653	669	657
Electrical efficiency (%)	59.9	61.4	62.4	59.9	61.4	62.4

FIG. 12

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Case	BASE CASES				CONCEPT 1: ANODE RECYCLE ...							
	0	1a	1b	1a'	2a	2a	2a	2b	2b	2b	2b	2b
Fuel Utilization (%)	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Steam to Carbon Ratio	3.6	3.6	3.6	3.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Exhaust Gas Recycle (%)	0%	35%	35%	35%	35%	0%	0%	35%	0%	0%	0%	0%
Water Gas Shift Reactors	No	No	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes
Internal Reforming (%)	99%	99%	99%	99%	20%	20%	20%	20%	20%	20%	20%	20%
MCFC CO ₂ Cathode Inlet Conc. (%)	4.80%	7.36%	6.87%	5.31%	6.11%	4.05%	4.05%	6.13%	4.07%	4.07%	4.07%	4.07%
MCFC CO ₂ Cathode Exhaust Conc. (%)	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
MCFC O ₂ Cathode Exhaust Conc. (%)	10.0%	4.2%	4.5%	4.8%	5.9%	10.9%	10.9%	5.8%	10.9%	10.9%	10.9%	10.9%
MCFC Voltage (V)	0.70	0.70	0.70	0.70	0.70	0.70	0.65	0.70	0.70	0.70	0.65	0.65
MCFC Current Density (A/m ²)	1015	1007	1000	915	961	847	1089	999	878	1120	1120	1120
MCFC Area (k-m ²)	184	215	197	236	174	169	131	168	164	129	129	129
CO ₂ Capture (%)	72.5%	83.2%	82.6%	82.6%	71.0%	60.7%	60.5%	81.2%	70.2%	70.1%	70.1%	70.1%
CO ₂ Capture (Mtons/year)	1.62	1.88	1.84	1.88	1.64	1.41	1.40	1.67	1.43	1.43	1.43	1.43
Area/Tons captured (k-m ² *year/Mtons)	113.9	114.2	107.6	126.0	106.0	119.9	93.6	101.1	114.9	90.1	90.1	90.1
CO ₂ emissions (from cathode exhaust, lbs CO ₂ /MWhr)	212.0	145.7	147.5	134.8	141.9	217.9	218.8	143.4	217.5	218.7	218.7	218.7
Ratio H ₂ :Reformable C (molar) in anode feed	0.00	0.00	0.00	0.00	0.80	0.81	0.80	1.30	1.30	1.30	1.30	1.30
N ₂ in anode feed (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Anode steam penalty (MW)	10.4	12.0	11.0	12.0	4.0	3.4	3.4	3.9	3.4	3.4	3.4	3.4
% turbine fuel that is H ₂ or CO (LHV basis)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total net power (MW)	679	611	609	688	630	654	652	624	651	648	648	648
Electrical efficiency (%)	57.6%	51.2%	52.1%	57.3%	58.6%	61.3%	61.1%	57.9%	60.8%	60.5%	60.5%	60.5%

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1304 1306 1308 1309 1310 1312 1314 1316 1318 1320

FIG. 13

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... CONCEPT 1: ANODE RECYCLE														EGR	
2c	2c	2c	2d	2d	2d	2d	2e	2e	2e	2e	2e	2e	2g	2g	
75%	75%	75%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	30%	30%	50%
0.0	0.0	0.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
35%	35%	0%	35%	35%	0%	0%	35%	35%	0%	0%	0%	0%	35%	35%	35%
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
0%	0%	0%	20%	20%	20%	20%	0%	0%	0%	0%	0%	0%	20%	20%	20%
6.13%	6.13%	4.07%	6.13%	6.13%	4.07%	4.07%	6.13%	6.13%	4.07%	4.07%	4.07%	4.07%	6.53%	6.47%	4.48%
1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
5.8%	5.8%	10.9%	5.8%	5.8%	10.9%	10.9%	5.8%	5.8%	10.9%	10.9%	10.9%	10.9%	4.8%	4.9%	6.2%
0.70	0.65	0.70	0.65	0.70	0.65	0.70	0.65	0.70	0.65	0.70	0.65	0.70	0.65	0.65	0.70
1045	1329	919	1147	1093	1376	984	1218	1138	1414	1020	1246	1318	1603	938	938
161	126	157	126	154	122	147	118	148	119	141	115	140	114	179	179
81.1%	81.1%	70.2%	70.1%	81.3%	81.3%	70.1%	70.0%	80.9%	81.1%	69.8%	69.8%	82.6%	82.6%	80.7%	80.7%
1.66	1.66	1.43	1.67	1.67	1.67	1.43	1.43	1.66	1.66	1.42	1.42	1.82	1.80	1.66	1.66
96.6	76.0	109.6	88.0	92.5	73.4	102.7	82.9	89.0	71.6	99.1	81.2	77.0	63.3	107.7	107.7
142.5	143.5	223.7	225.5	146.0	146.5	230.6	231.7	147.0	146.6	213.2	232.3	144.0	145.0	149.4	149.4
1.28	1.28	1.28	3.80	3.80	3.80	3.80	3.80	3.62	3.64	3.64	3.64	8.58	8.59	3.78	3.78
0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0.0	0.0	0.0	3.9	3.9	3.9	3.4	3.4	0.0	0.0	0.0	0.0	4.3	4.2	3.9	3.9
0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
630	627	633	630	611	607	617	614	615	612	621	617	617	609	618	618
58.5%	58.2%	59.1%	58.8%	56.7%	56.4%	57.6%	57.3%	57.1%	56.8%	58.0%	57.6%	53.3%	53.1%	57.1%	57.1%
1322	1324	1326	1328	1330	1332	1334	1336	1338	1340	1342	1344	1346	1348	1350	1350

FIG. 13
CONTINUED

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Case	BASE CASES				CONCEPT 2: RECYCLE							
	0	1a	1b		3a	3a	3a	3a	3a	3a	3a	3a
Fuel Utilization (%)	75%	75%	75%		75%	75%	75%	75%	75%	75%	75%	75%
Steam to Carbon Ratio	3.6	3.6	3.6		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Exhaust Gas Recycle (%)	0%	35%	35%		35%	35%	35%	35%	35%	35%	35%	35%
Water Gas Shift Reactors	No	No	Yes		No	No	No	No	No	No	No	No
Internal Reforming (%)	99%	99%	99%		99%	99%	99%	99%	99%	99%	99%	99%
MCFC CO ₂ Cathode Inlet Conc. (%)	4.80%	7.36%	6.87%		5.87%	5.87%	5.87%	5.87%	5.87%	5.87%	5.87%	5.87%
MCFC CO ₂ Cathode Exhaust Conc. (%)	1.5%	1.5%	1.5%		1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
MCFC O ₂ Cathode Exhaust Conc. (%)	10.0%	4.2%	4.5%		6.1%	6.1%	6.1%	6.1%	6.1%	6.1%	6.1%	6.1%
MCFC Voltage (V)	0.70	0.70	0.70		0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
MCFC Current Density (A/m ²)	1015	1007	1000		889	889	889	889	889	889	889	889
MCFC Area (k-m ²)	184	215	197		179	179	179	179	179	179	179	179
CO ₂ Capture (%)	72.5%	83.2%	82.6%		80.9%	80.9%	80.9%	80.9%	80.9%	80.9%	80.9%	80.9%
CO ₂ Capture (Mtons/year)	1.62	1.88	1.84		1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
Area/Tons captured (k-m ² *year/Mtons)	113.9	114.2	107.6		116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3
CO ₂ emissions (from cathode exhaust, lbs CO ₂ /MWhr)	212.0	145.7	147.5		150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4
Ratio H ₂ :Reformable C (molar) in anode feed	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
N ₂ in anode feed (%)	0%	0%	0%		0%	0%	0%	0%	0%	0%	0%	0%
Anode steam penalty (MW)	10.4	12.0	11.0		5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
% turbine fuel that is H ₂ or CO (LHV basis)	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total net power (MW)	679	611	609		599	599	599	599	599	599	599	599
Electrical efficiency (%)	57.6%	51.2%	52.1%		55.5%	55.5%	55.5%	55.5%	55.5%	55.5%	55.5%	55.5%

FIG. 14

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CONCEPT 2: RECYCLE TO CTG													EGR
3b	3b	3b	3b	3d	3d	3d	3d	3d	3d	3d	3d	3g	
75%	75%	75%	75%	50%	50%	50%	50%	50%	50%	50%	50%	30%	50%
2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
35%	35%	0%	0%	35%	35%	35%	35%	0%	0%	0%	35%	35%	35%
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
5.72%	5.72%	3.83%	3.83%	5.12%	5.12%	5.12%	5.12%	3.50%	3.50%	3.50%	4.53%	3.83%	3.83%
1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
6.2%	6.2%	11.1%	11.1%	6.6%	6.6%	6.6%	6.6%	11.2%	11.2%	11.2%	6.5%	6.9%	6.9%
0.70	0.65	0.70	0.65	0.70	0.65	0.65	0.65	0.70	0.65	0.65	0.70	0.70	0.70
878	1161	784	1018	916	1164	1164	846	1053	1050	1050	1050	800	800
175	132	167	128	144	113	133	107	106	165	165	165	165	165
80.7%	80.7%	69.0%	69.0%	80.0%	79.5%	68.5%	68.5%	80.2%	79.8%	79.8%	80.2%	79.8%	79.8%
1.62	1.62	1.38	1.38	1.55	1.54	1.32	1.32	1.32	1.57	1.57	1.57	1.55	1.55
108.0	81.7	121.0	93.2	93.1	73.5	100.8	80.8	67.8	106.3	106.3	106.3	106.3	106.3
147.8	148.6	234.9	235.8	160.2	162.5	247.2	248.2	186.1	165.0	165.0	165.0	165.0	165.0
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
4.8	4.8	4.1	4.1	6.2	6.1	5.3	5.3	8.7	6.2	6.2	6.2	6.2	6.2
6.6%	6.6%	5.5%	5.5%	16.4%	16.5%	13.9%	13.9%	32.1%	16.5%	16.5%	32.1%	16.5%	16.5%
610	607	613	610	571	570	581	580	501	568	568	501	568	568
57.7%	57.4%	58.3%	58.1%	55.4%	55.4%	56.5%	56.4%	47.2%	54.8%	54.8%	47.2%	54.8%	54.8%
1418	1420	1422	1424	1426	1428	1430	1432	1434	1436	1436	1434	1436	1436

FIG. 14
CONTINUED

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Case	BASE CASES				CONCEPT 4B: HIGH INERTS CASES ...									
	0	1a	1b		4d	4d	4d	4d	4d	4d	4d	4d	4d	4d
Fuel Utilization (%)	75%	75%	75%		50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Steam to Carbon Ratio	3.6	3.6	3.6		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Exhaust Gas Recycle (%)	0%	35%	35%		35%	35%	35%	35%	35%	35%	35%	35%	35%	45%
Water Gas Shift Reactors	No	No	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Internal Reforming (%)	99%	99%	99%		20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
MCFC CO ₂ Cathode Inlet Conc. (%)	4.80%	7.36%	6.87%		5.56%	5.56%	5.56%	5.56%	5.56%	5.56%	5.56%	5.56%	5.56%	6.50%
MCFC CO ₂ Cathode Exhaust Conc. (%)	1.5%	1.5%	1.5%		1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
MCFC O ₂ Cathode Exhaust Conc. (%)	10.0%	4.2%	4.5%		6.3%	6.3%	6.3%	6.3%	6.3%	6.3%	6.3%	6.3%	6.3%	3.8%
MCFC Voltage (V)	0.70	0.70	0.70		0.70	0.65	0.70	0.65	0.70	0.65	0.70	0.65	0.70	0.70
MCFC Current Density (A/m ²)	1015	1007	1000		1096	1364	1096	1364	990	1211	990	1211	1080	1080
MCFC Area (k-m ²)	184	215	197		135	108	135	108	128	104	128	104	142	142
CO ₂ Capture (%)	72.5%	83.2%	82.6%		80.5%	80.4%	80.5%	80.4%	69.7%	69.2%	69.7%	69.2%	83.9%	83.9%
CO ₂ Capture (Mtons/year)	1.62	1.88	1.84		1.60	1.60	1.60	1.60	1.38	1.37	1.38	1.37	1.66	1.66
Area/Tons captured (k-m ² *year/Mtons)	113.9	114.2	107.6		84.1	67.7	84.1	67.7	92.8	76.1	92.8	76.1	85.3	85.3
CO ₂ emissions (from cathode exhaust, lbs CO ₂ /MWhr)	212.0	145.7	147.5		154.7	156.3	154.7	156.3	229.6	233.3	229.6	233.3	128.6	128.6
Ratio H ₂ :Reformable C (molar) in anode feed	0.00	0.00	0.00		1.18	1.19	1.18	1.19	1.20	1.19	1.20	1.19	1.18	1.18
N ₂ in anode feed (%)	0%	0%	0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Anode steam penalty (MW)	10.4	12.0	11.0		5.3	5.3	5.3	5.3	4.6	4.6	4.6	4.6	5.5	5.5
% turbine fuel that is H ₂ or CO (LHV basis)	0.0%	0.0%	0.0%		9.3%	9.3%	9.3%	9.3%	7.9%	7.8%	7.9%	7.8%	9.8%	9.8%
Total net power (MW)	679	611	609		587	584	587	584	618	616	618	616	580	580
Electrical efficiency (%)	57.6%	51.2%	52.1%		55.5%	55.3%	55.5%	55.3%	58.6%	58.4%	58.6%	58.4%	55.1%	55.1%

1502

1504 1506 1508 1510 1512 1514 1516 1518

FIG. 15

... CONCEPT 4B: HIGH INERTS CASES													EGR
4e	4e	4e	4e	4e	4e	4f	4f	4f	4f	4f	4f	4f	
50%	50%	50%	50%	50%	50%	33%	33%	33%	33%	33%	33%	33%	50%
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
35%	35%	0%	0%	45%	45%	35%	35%	35%	0%	0%	0%	0%	35%
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
5.57%	5.57%	3.76%	3.76%	6.51%	6.46%	6.47%	6.47%	4.99%	4.99%	4.99%	4.99%	4.99%	4.13%
1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
6.3%	6.3%	11.1%	11.1%	3.8%	4.8%	4.8%	4.8%	9.5%	9.5%	9.5%	9.5%	9.5%	6.6%
0.70	0.65	0.70	0.65	0.70	0.70	0.65	0.65	0.70	0.65	0.65	0.65	0.65	0.70
1104	1372	999	1214	1094	1362	1682	1682	1227	1509	1509	1509	1509	950
134	108	127	105	141	133	108	108	160	130	130	130	130	156
80.8%	80.8%	69.3%	69.3%	83.9%	82.3%	82.2%	82.2%	73.1%	73.0%	73.0%	73.0%	73.0%	79.9%
1.60	1.60	1.37	1.37	1.65	1.74	1.75	1.75	1.63	1.63	1.63	1.63	1.63	1.60
84.1	67.7	93.1	76.6	85.0	76.0	61.6	61.6	97.6	79.7	79.7	79.7	79.7	97.2
152.8	153.8	232.0	231.9	128.8	148.3	150.1	150.1	217.5	217.3	217.3	217.3	217.3	158.1
1.17	1.17	1.17	1.17	1.17	1.79	1.81	1.81	1.80	1.81	1.81	1.81	1.81	1.18
0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2.7	2.7	2.3	2.3	2.8	4.3	4.3	4.3	4.7	4.7	4.7	4.7	4.7	5.3
9.3%	9.3%	7.7%	7.8%	9.7%	24.0%	24.2%	24.2%	25.6%	25.7%	25.7%	25.7%	25.7%	9.2%
589	586	620	618	584	602	598	598	654	652	652	652	652	595
55.6%	55.3%	58.7%	58.5%	55.2%	53.1%	56.2%	56.2%	54.9%	54.6%	54.6%	54.6%	54.6%	55.9%
1520	1522	1524	1526	1528	1530	1532	1532	1534	1536	1536	1536	1536	1538

• • •

FIG. 15
CONTINUED

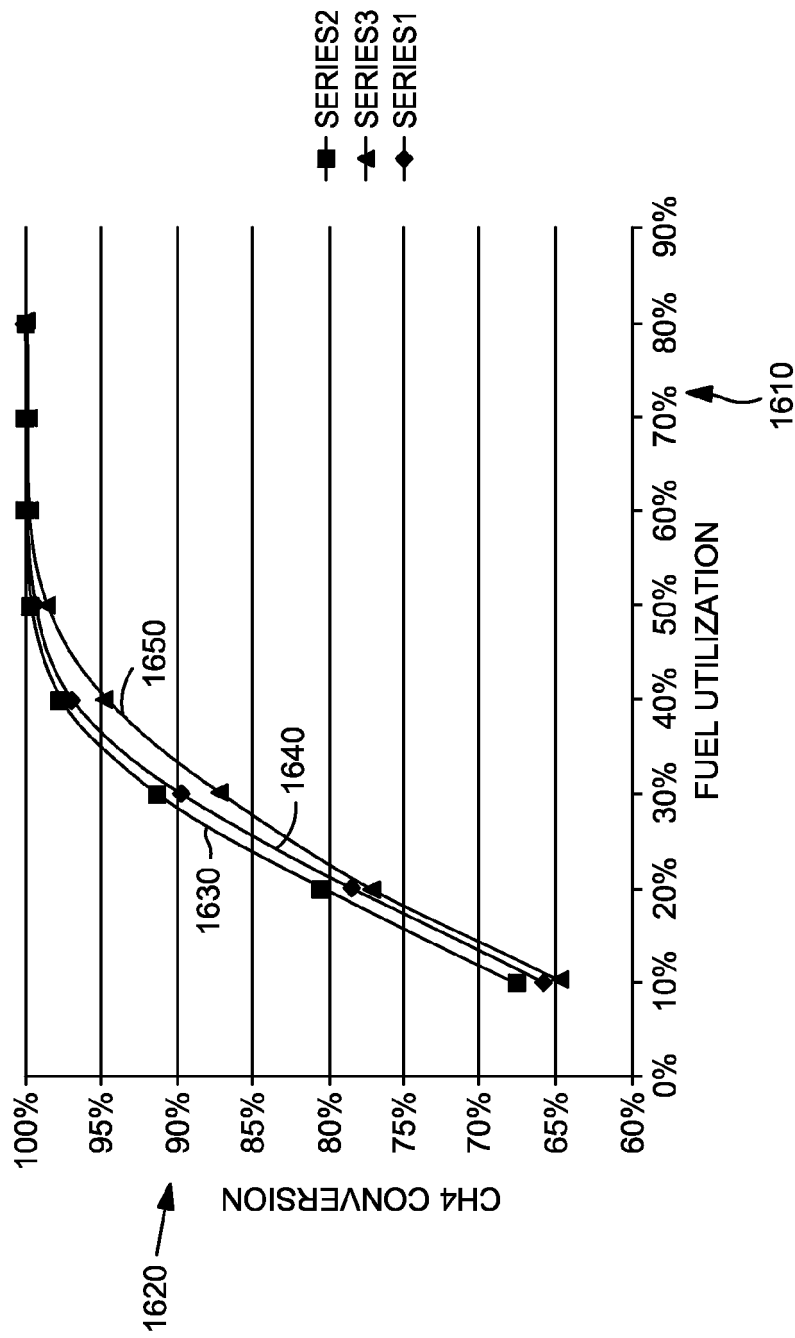


FIG. 16

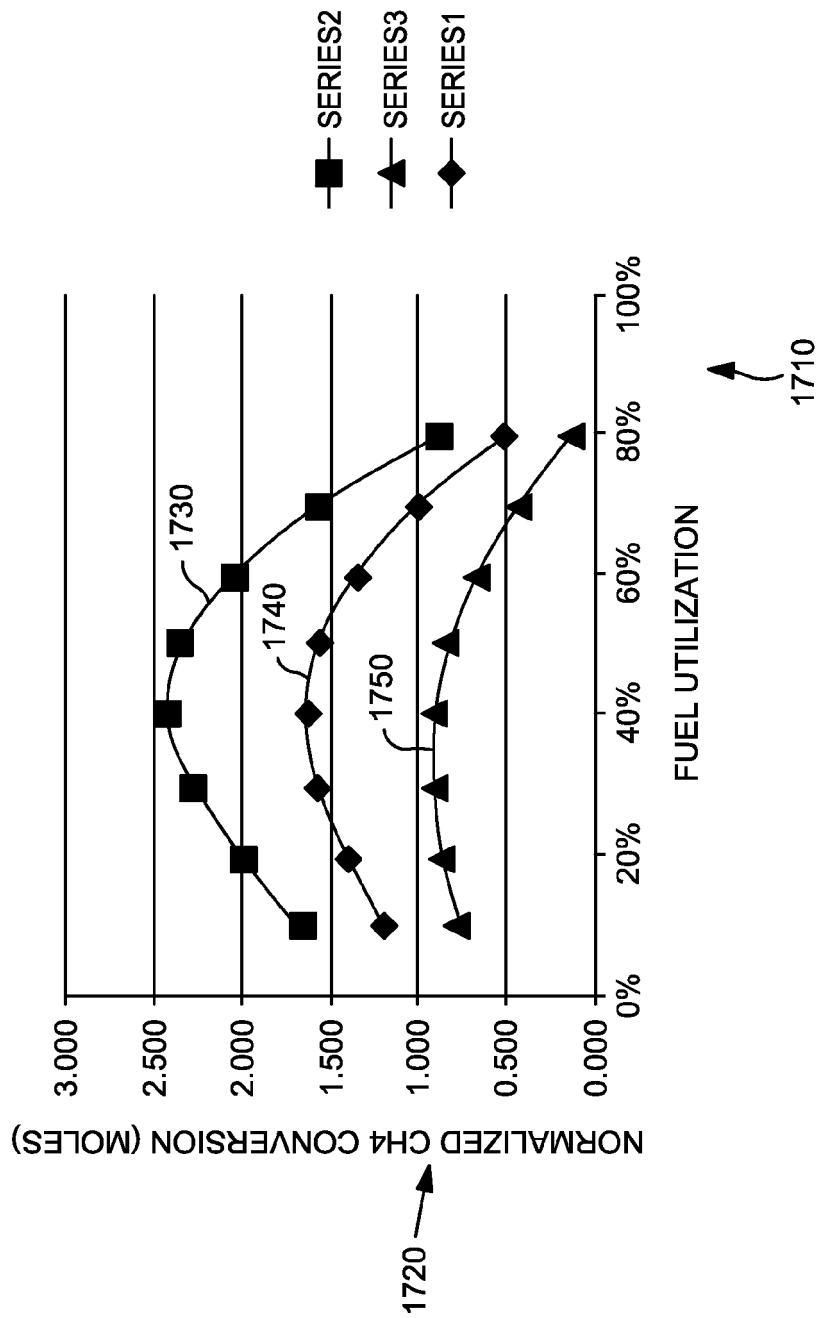


FIG. 17