

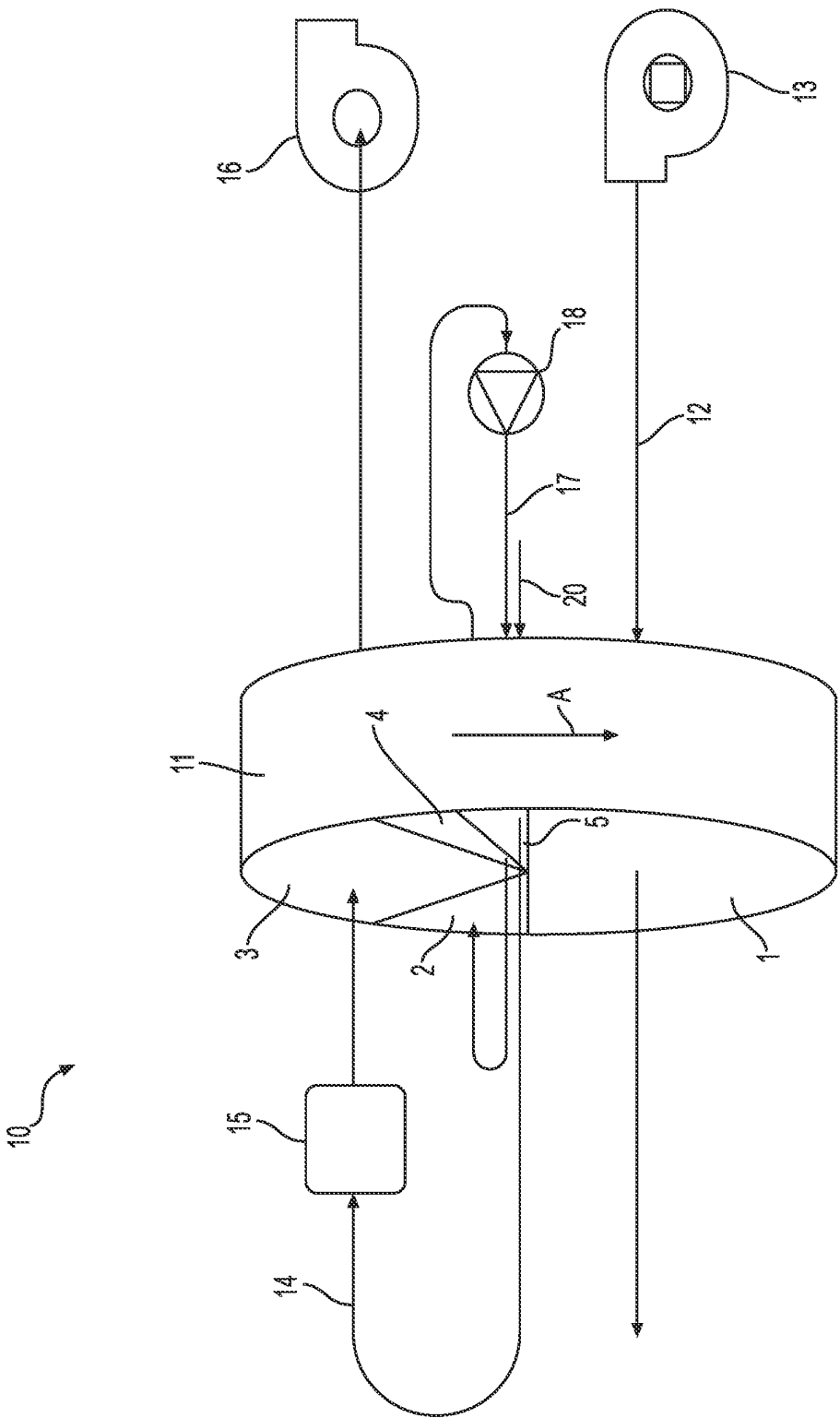
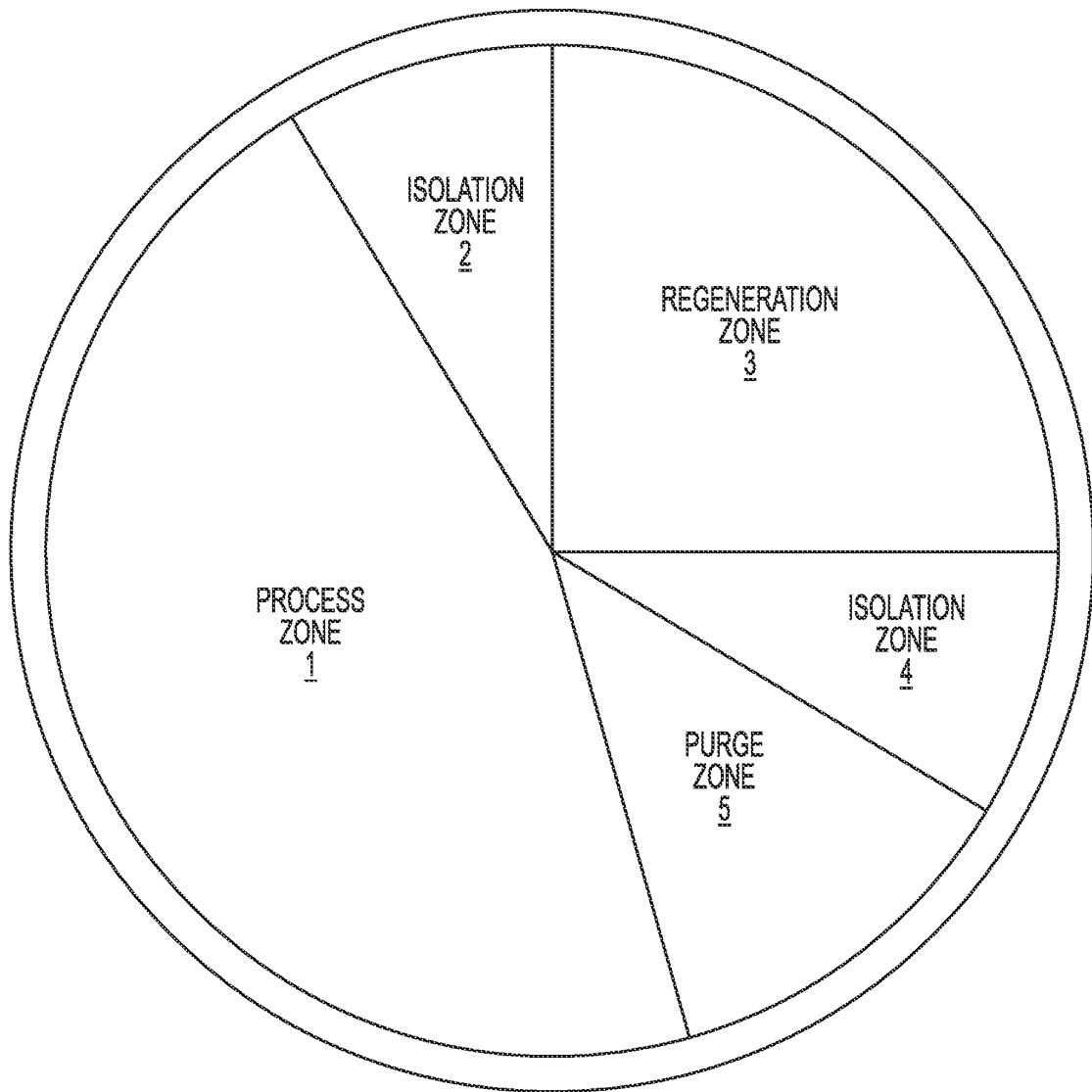
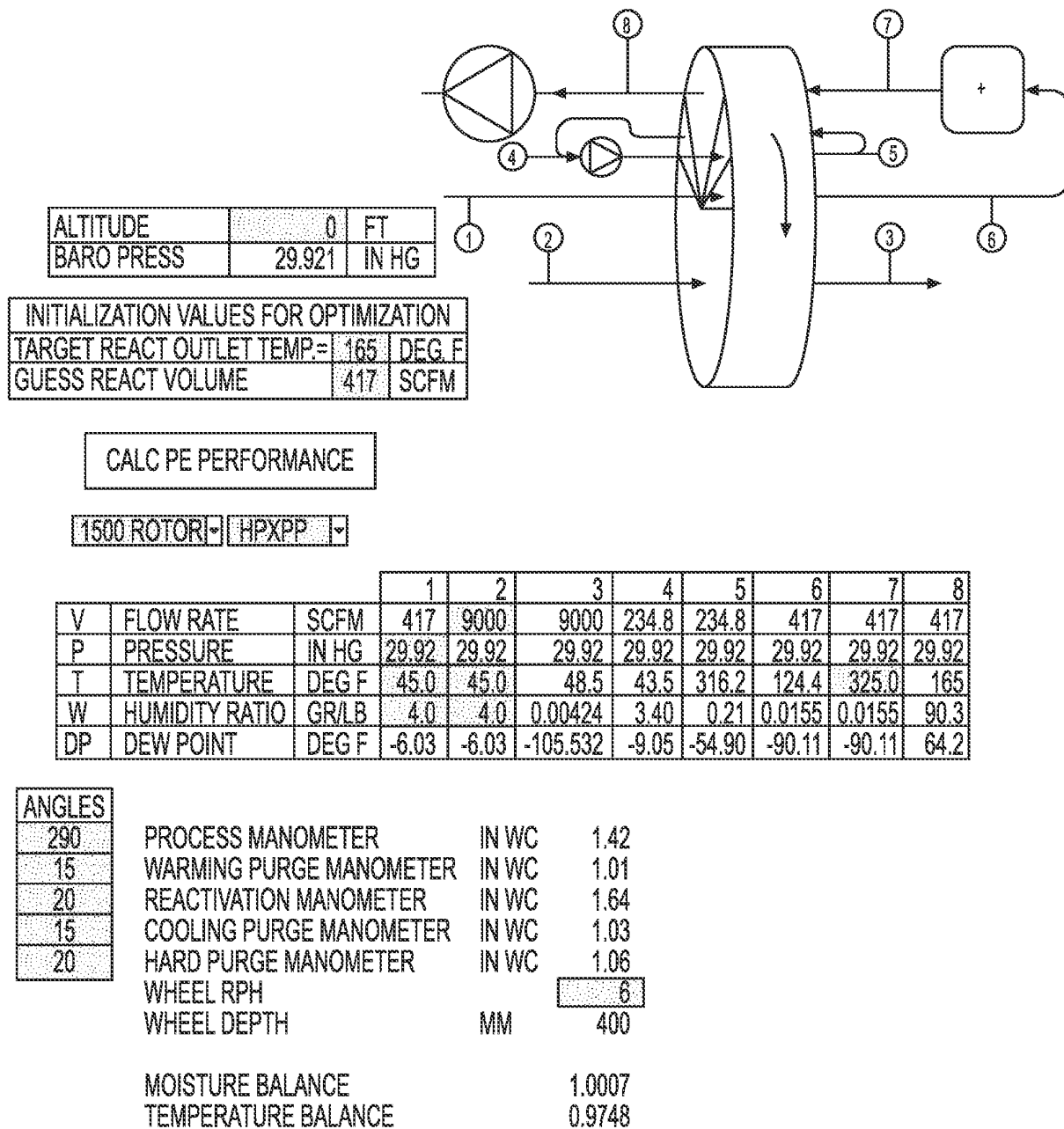
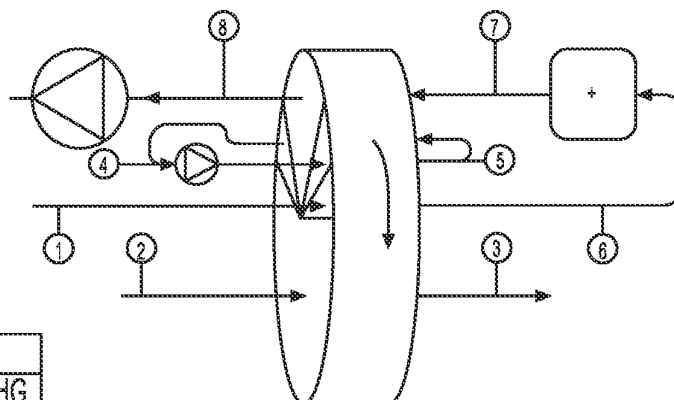


FIG. 1

**FIG. 2**

**FIG. 3**



ALTITUDE	0	FT
BARO PRESS	29.921	IN HG

INITIALIZATION VALUES FOR OPTIMIZATION		
TARGET REACT OUTLET TEMP=	165	DEG F
GUESS REACT VOLUME	279	SCFM

CALC PE PERFORMANCE

1500 ROTOR HPXPP

			1	2	3	4	5	6	7	8
V	FLOW RATE	SCFM	279	6000	6000	157.7	157.7	279	279	279
P	PRESSURE	IN HG	29.92	29.92	29.92	29.92	29.92	29.92	29.92	29.92
T	TEMPERATURE	DEG F	45.0	45.0	48.5	41.9	321.1	125.1	325.0	165
W	HUMIDITY RATIO	GR/LB	4.0	4.0	0.00128	3.64	0.03	0.0036	0.0036	89.9
DP	DEW POINT	DEG F	-6.03	-6.03	-118.622	-7.77	-83.34	-107.37	-107.37	64.1

ANGLES				
290	PROCESS MANOMETER	IN WC	0.92	
15	WARMING PURGE MANOMETER	IN WC	0.68	
20	REACTIVATION MANOMETER	IN WC	1.08	
15	COOLING PURGE MANOMETER	IN WC	0.69	
20	HARD PURGE MANOMETER	IN WC	0.69	
	WHEEL RPH		4	
	WHEEL DEPTH	MM	400	
	MOISTURE BALANCE		1.0005	
	TEMPERATURE BALANCE		0.9747	

FIG. 4

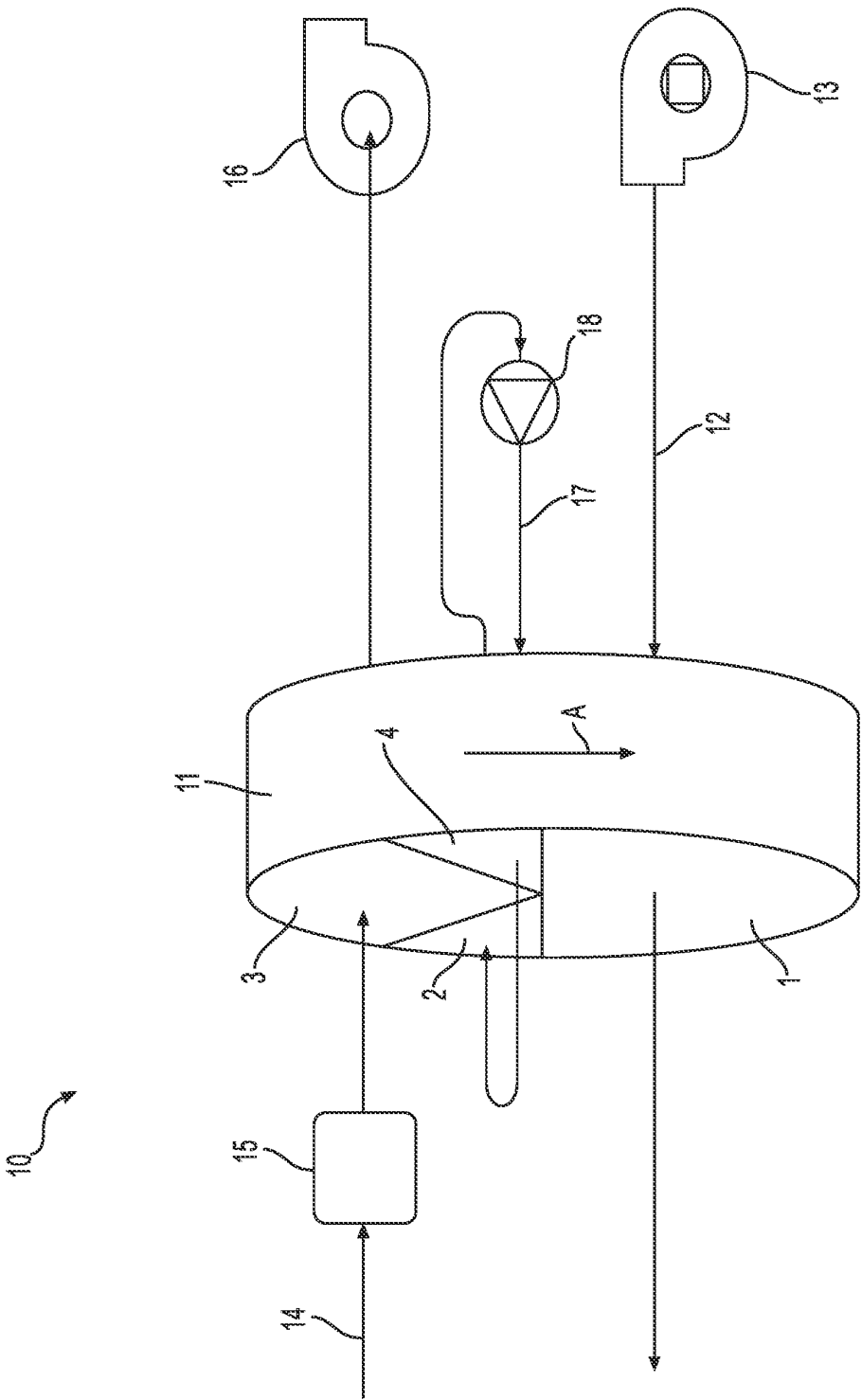


FIG. 5
(PRIOR ART)

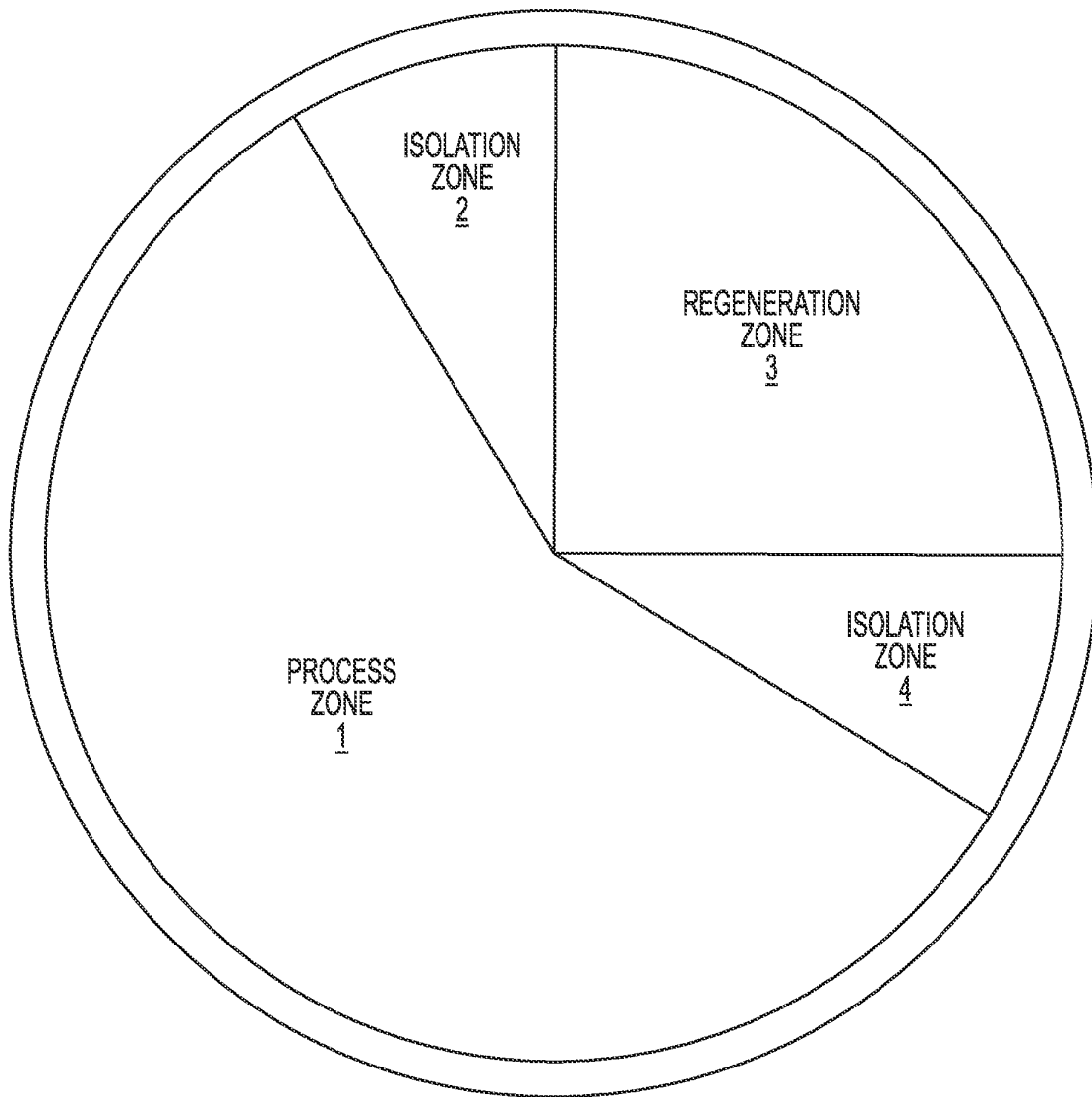
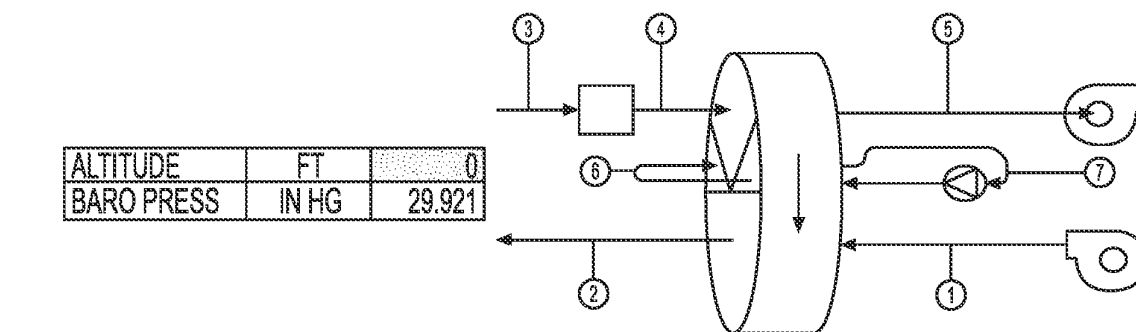


FIG. 6
(PRIOR ART)



INITIALIZATION VALUES FOR OPTIMIZATION		
TARGET REACT OUTLET TEMP. =	DEG. F	165
GUESS REACT VOLUME	SCFM	409

CALC PE PERFORMANCE

1500 ROTOR HPXPP

								WP	CP
			1	2	3	4	5	6	7
V	FLOW RATE	SCFM	9000	9000	409	408.6	409	233.2	233
P	PRESSURE	IN HG	29.92	29.92	29.92	29.92	29.92	29.92	29.92
T	TEMPERATURE	DEG F	45.00	52.1	45.00	325.0	165.0	320.0	47.8
W	HUMIDITY RATIO	GR/LB	4.00	0.0089	4.00	4.00	91.9	3.26	3.17
DP	DEW POINT	DEG F	-6.03	-96.849	-6.03	-6.03	64.71	-9.82	-10.29

ANGLES

300	PROCESS MANOMETER
15	WARMING PURGE MANOMETER
30	REACTIVATION MANOMETER
15	COOLING PURGE MANOMETER

WHEEL RPH

WHEEL DEPTH

MM

400

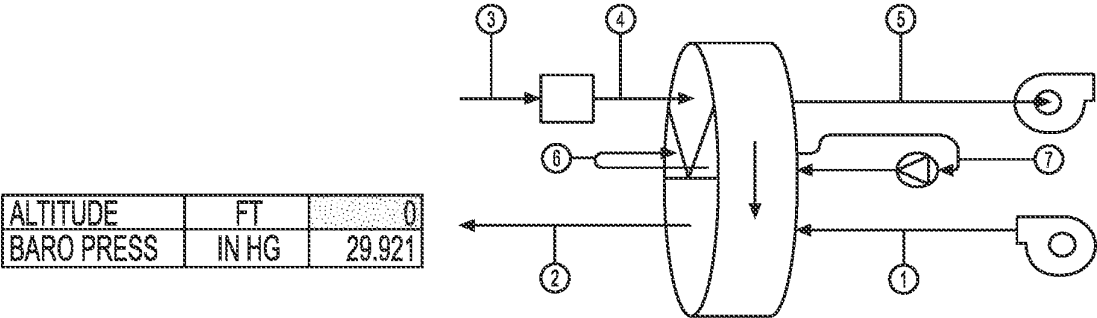
MOISTURE BALANCE

TEMPERATURE BALANCE

1.0004

0.9941

FIG. 7
(PRIOR ART)



INITIALIZATION VALUES FOR OPTIMIZATION		
TARGET REACT OUTLET TEMP. =	DEG F	165
GUESS REACT VOLUME	SCFM	272

CALC PE PERFORMANCE

1500 ROTOR HPXPP

			WP					CP	
			1	2	3	4	5	6	7
V	FLOW RATE	SCFM	6000	6000	272	271.9	272	156.7	157
P	PRESSURE	IN HG	29.92	29.92	29.92	29.92	29.92	29.92	29.92
T	TEMPERATURE	DEG F	45.00	52.0	45.00	325.0	164.9	320.1	41.8
W	HUMIDITY RATIO	GR/LB	4.00	0.0081	4.00	4.00	92.1	3.46	3.51
DP	DEW POINT	DEG F	-6.03	-98.017	-6.03	-6.03	64.76	-8.71	-8.43

ANGLES

300	PROCESS MANOMETER
15	WARMING PURGE MANOMETER
30	REACTIVATION MANOMETER
15	COOLING PURGE MANOMETER

WHEEL RPH 4
WHEEL DEPTH MM 400

MOISTURE BALANCE 1.0006
TEMPERATURE BALANCE 0.9751

FIG. 8
(PRIOR ART)