

FIG. 1

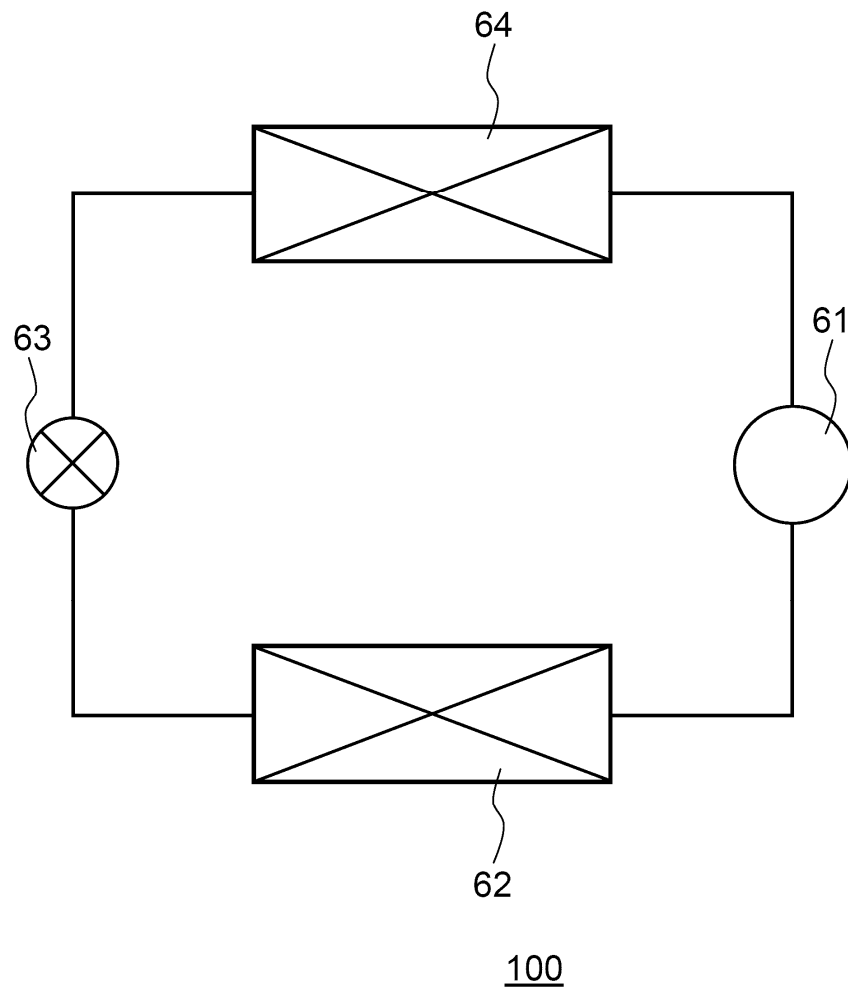


FIG. 2

REFRIGERANT		R410A	R32/R1123 60/40	R32/R1123 50/50	R32/R1123 40/60	R32/R1123 30/70	R1123
GWP	-	2090	410	350	280	210	5
CONDENSATION PRESSURE	MPa	2.73	3.17	3.23	3.28	3.33	3.44
EVAPORATION PRESSURE	MPa	1.25	1.48	1.51	1.55	1.59	1.70
DISCHARGE TEMPERATURE	°C	62	69	68	67	66	65
REFRIGERATION PERFORMANCE	%	100%	118%	119%	120%	121%	125%
COP	%	100%	97%	96%	95%	94%	91%

FIG. 3

REFRIGERANT		R410A	R32/R1123 60/40	R32/R1123 50/50	R32/R1123 40/60	R32/R1123 30/70	R1123
GWP	-	2090	410	350	280	210	5
CONDENSATION PRESSURE	MPa	2.30	2.69	2.75	2.79	2.84	2.95
EVAPORATION PRESSURE	MPa	0.87	0.96	0.99	1.01	1.03	1.14
DISCHARGE TEMPERATURE	°C	56	65	64	63	62	60
REFRIGERATION PERFORMANCE	%	100%	118%	119%	120%	121%	125%
COP	%	100%	97%	96%	95%	94%	91%

FIG. 4

REFRIGERANT		R410A	R125/1123 60/40	R125/1123 50/50	R125/1123 40/60	R125/1123 30/70	R1123
GWP		2090	2100	1760	1410	1060	5
CONDENSATION PRESSURE	MPa	2.73	2.73	2.85	2.97	3.09	3.44
EVAPORATION PRESSURE	MPa	1.25	1.29	1.36	1.43	1.50	1.70
DISCHARGE TEMPERATURE	°C	62	60	61	62	63	65
REFRIGERATION PERFORMANCE	%	100%	96%	101%	105%	110%	125%
COP	%	100%	95%	94%	93%	93%	91%

FIG. 5

REFRIGERANT		R410A	R125/1123 60/40	R125/1123 50/50	R125/1123 40/60	R125/1123 30/70	R1123
GWP		2090	2100	1760	1410	1060	5
CONDENSATION PRESSURE	MPa	2.30	2.33	2.43	2.53	2.64	2.95
EVAPORATION PRESSURE	MPa	0.85	0.86	0.91	0.95	1.00	1.14
DISCHARGE TEMPERATURE	°C	56	58	58	58	59	60
REFRIGERATION PERFORMANCE	%	100%	96%	101%	106%	111%	125%
COP	%	100%	96%	95%	94%	93%	91%

FIG. 6

REFRIGERANT		R410A	R32/R125/ R1123 30/30/40	R32/R125/ R1123 25/25/50	R32/R125/ R1123 20/20/60	R32/R125/ R1123 15/15/70	R1123
GWP		2090	1260	1050	840	630	5
CONDENSATION PRESSURE	MPa	2.73	2.69	2.68	2.67	2.66	2.62
EVAPORATION PRESSURE	MPa	1.25	1.24	1.23	1.23	1.22	1.21
DISCHARGE TEMPERATURE	°C	62	63	64	64	65	65
REFRIGERATION PERFORMANCE	%	100%	107%	110%	113%	116%	125%
COP	%	100%	96%	95%	94%	93%	91%

FIG. 7

REFRIGERANT		R410A	R32/R125/ R1123 30/30/40	R32/R125/ R1123 25/25/50	R32/R125/ R1123 20/20/60	R32/R125/ R1123 15/15/70	R1123
GWP		2090	1260	1050	840	630	5
CONDENSATION PRESSURE	MPa	2.30	2.27	2.27	2.26	2.25	2.21
EVAPORATION PRESSURE	MPa	0.85	0.84	0.84	0.83	0.83	0.82
DISCHARGE TEMPERATURE	°C	56	58	58	59	59	60
REFRIGERATION PERFORMANCE	%	100%	107%	110%	113%	116%	125%
COP	%	100%	96%	96%	95%	94%	91%

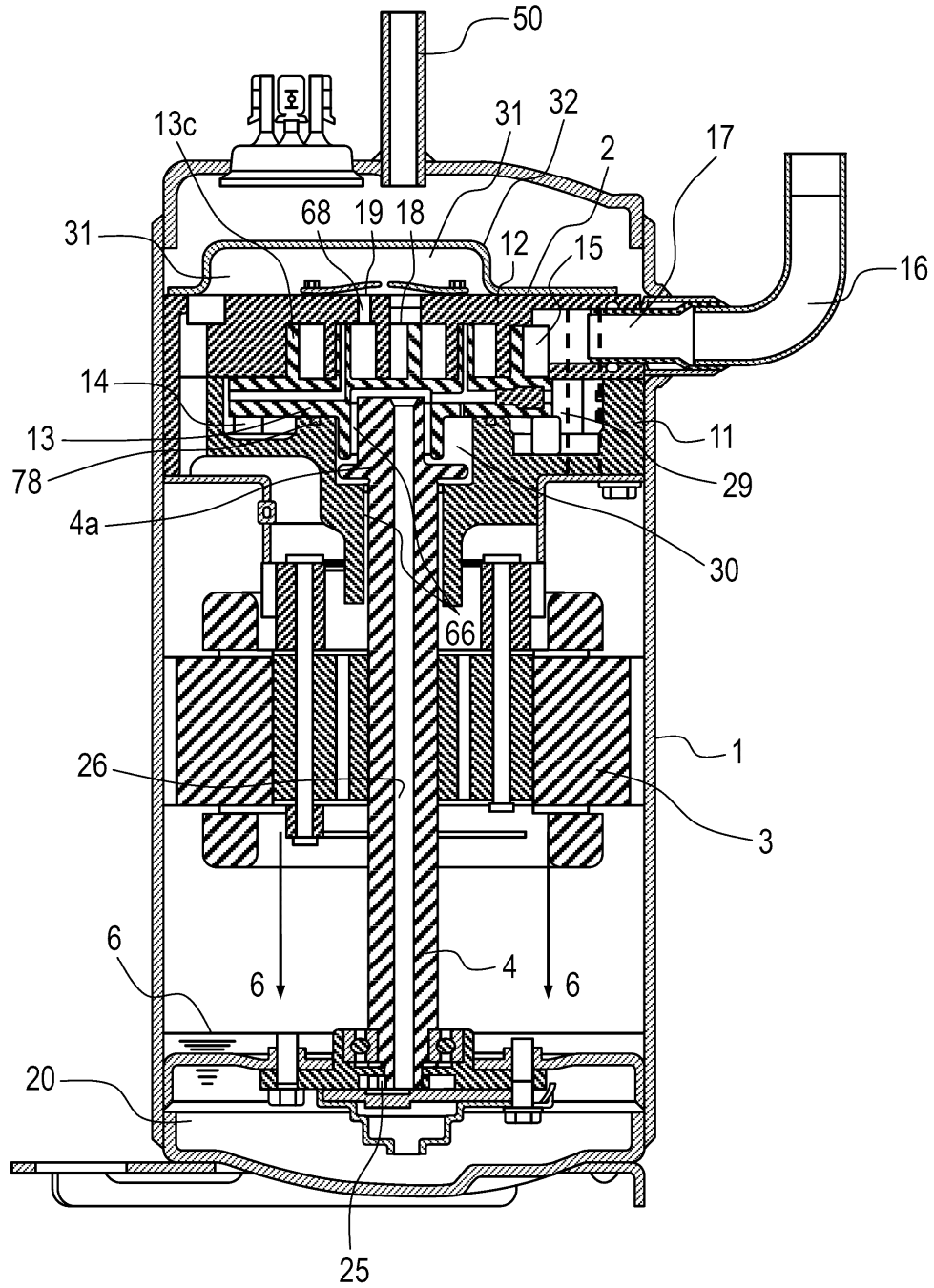
FIG. 8200

FIG. 9

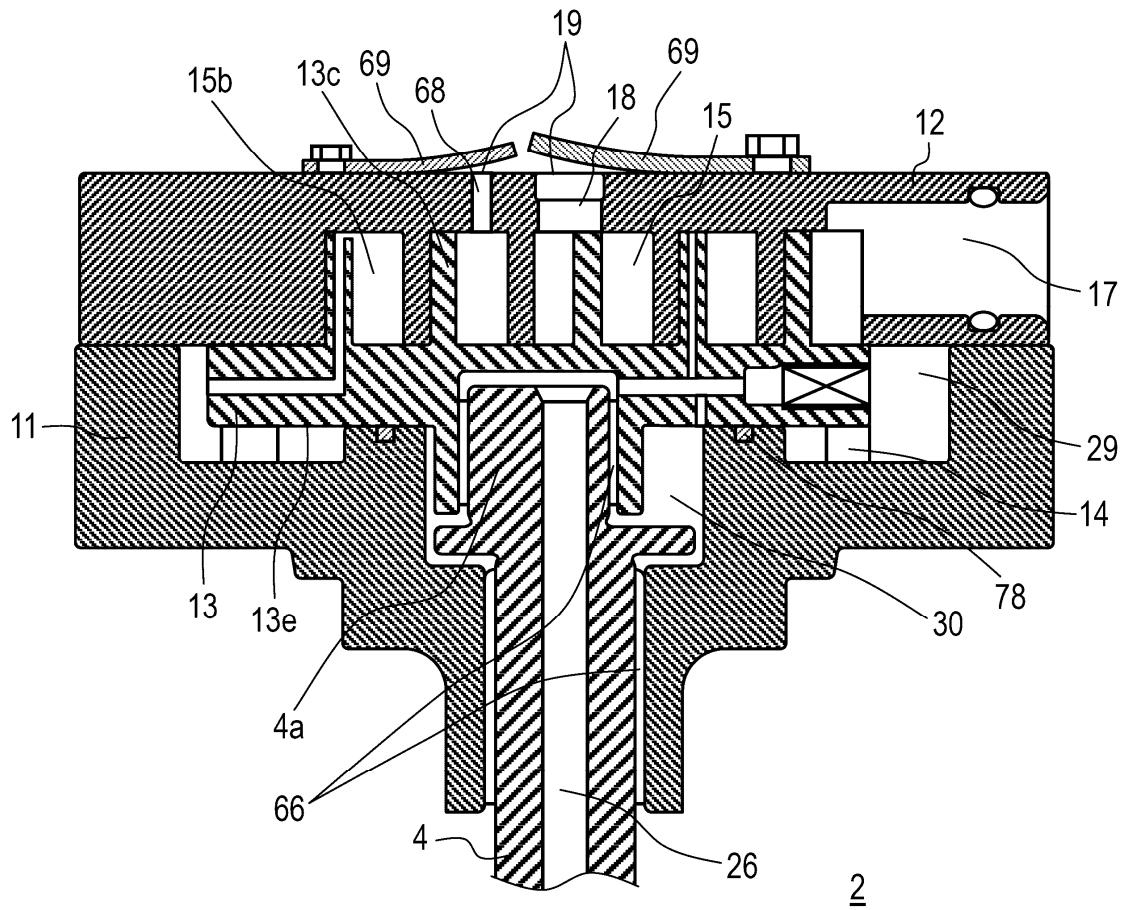


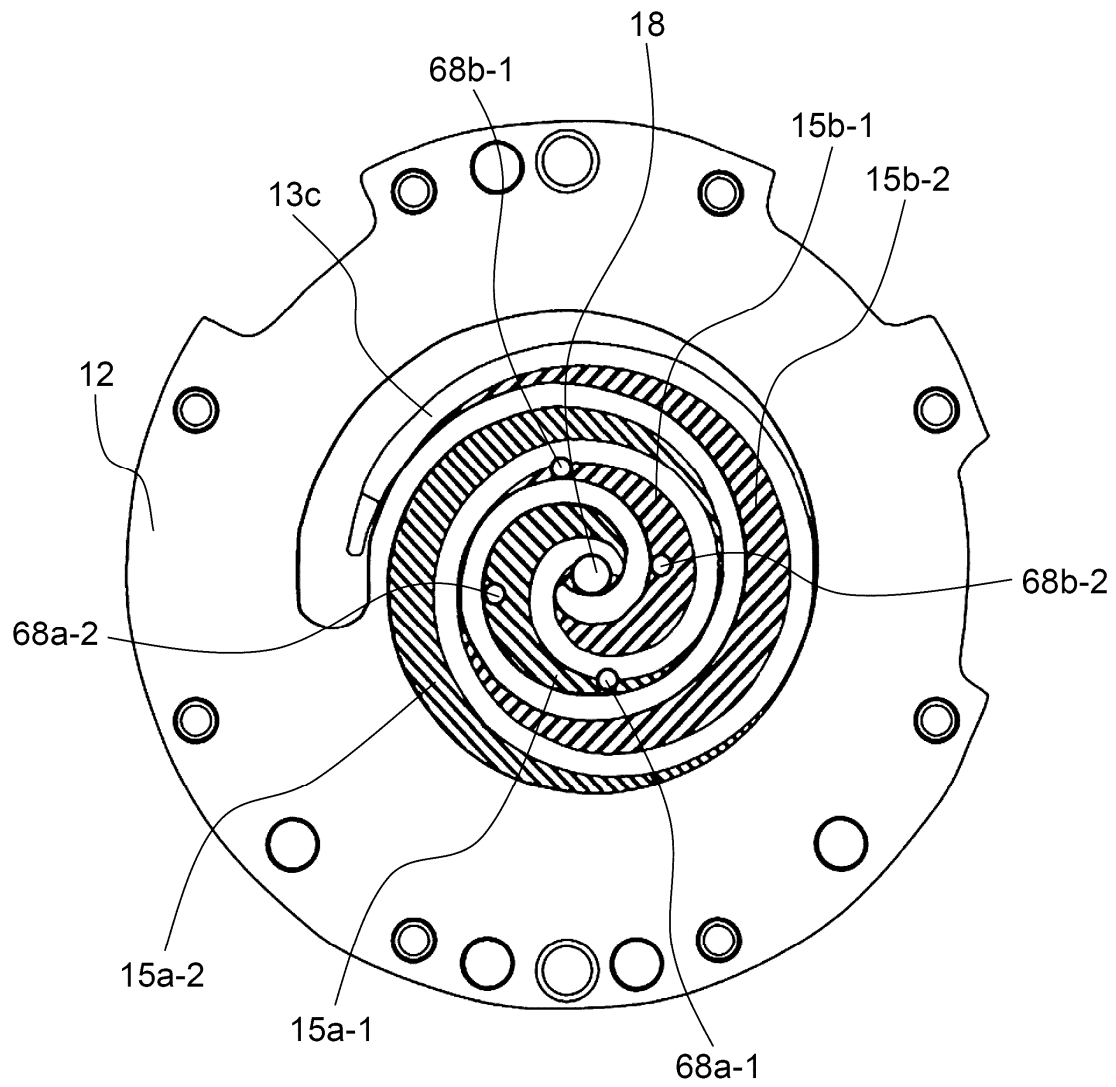
FIG. 10

FIG. 11

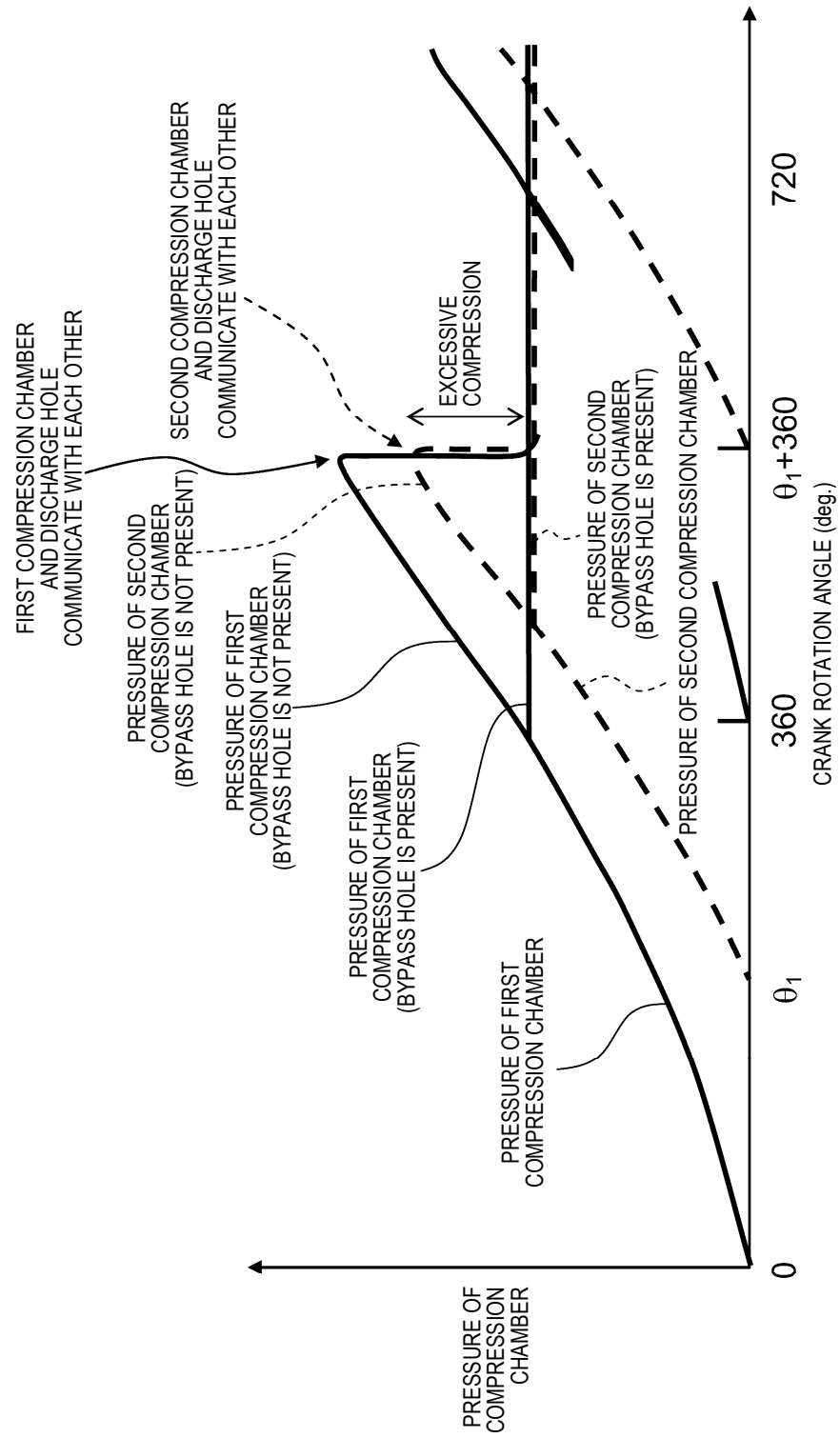


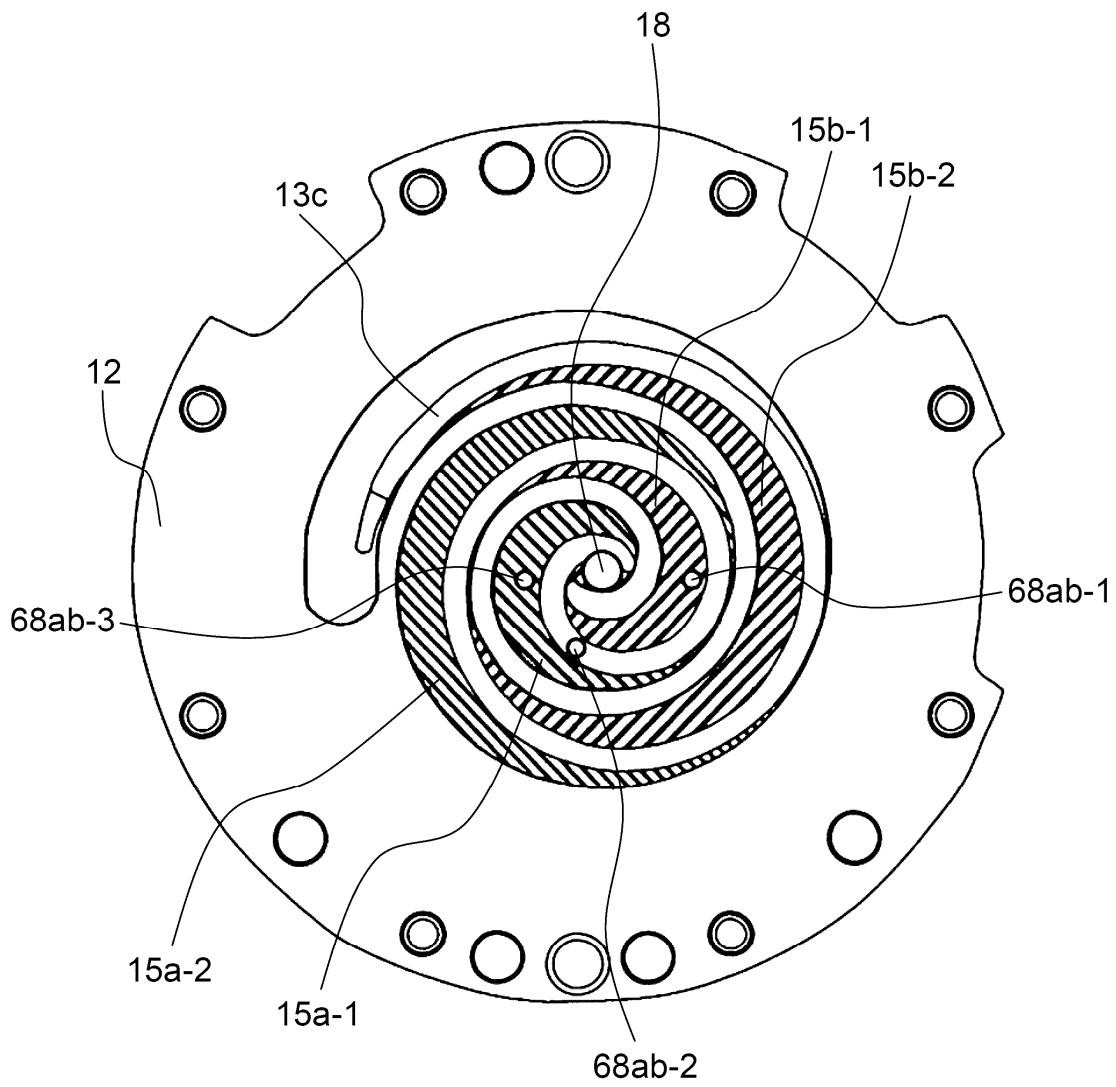
FIG. 12

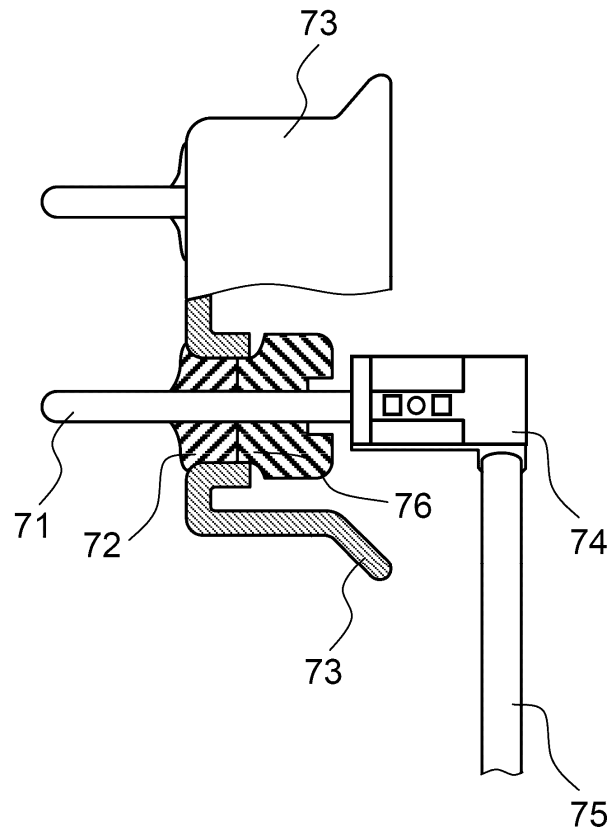
FIG. 13

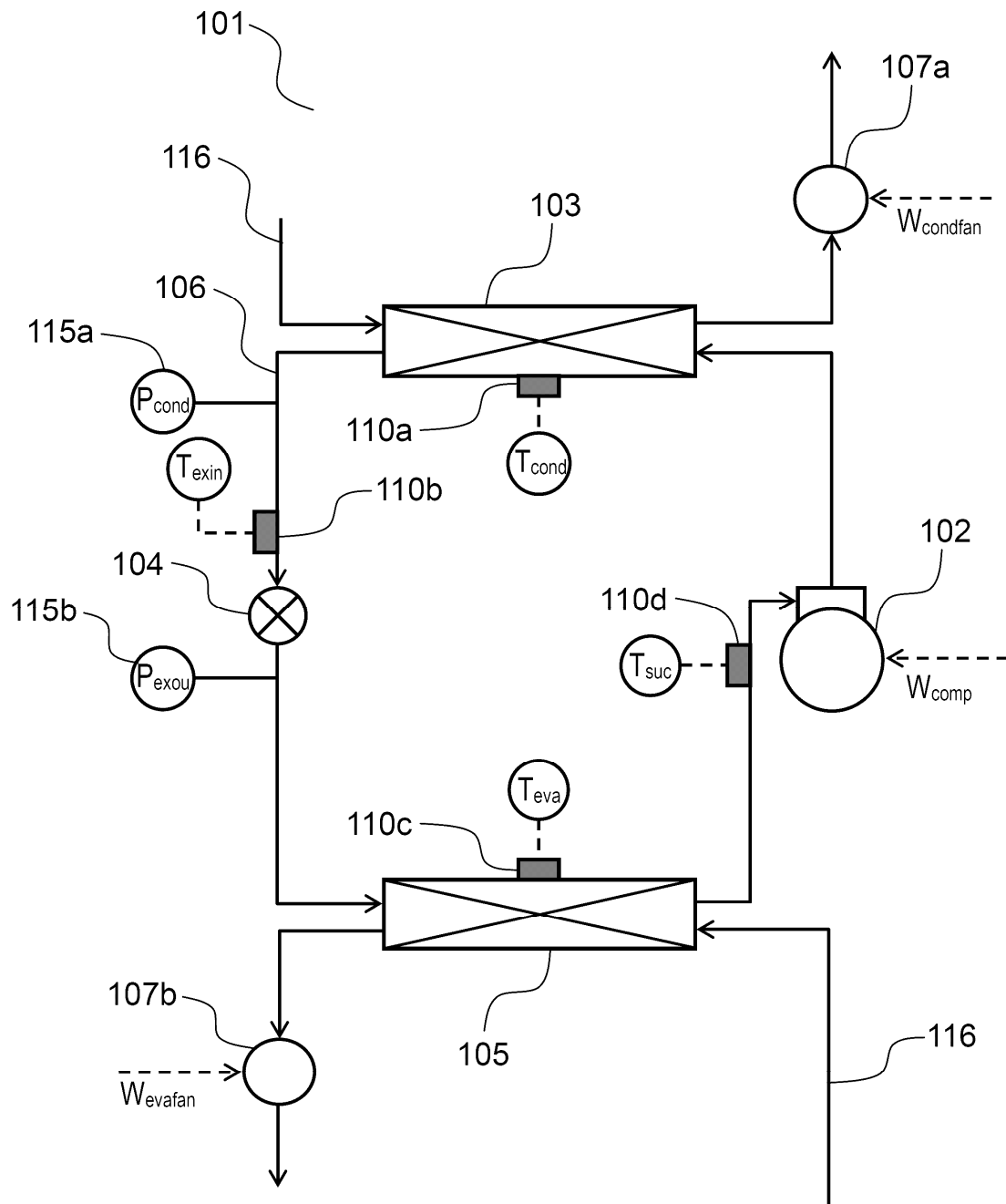
FIG. 14

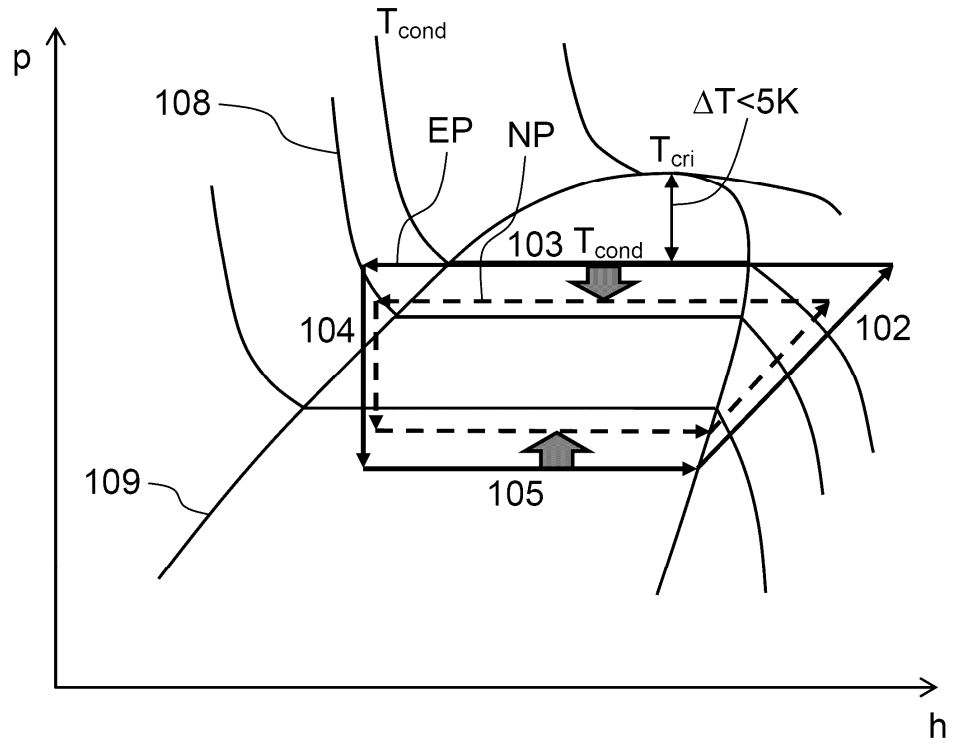
FIG. 15

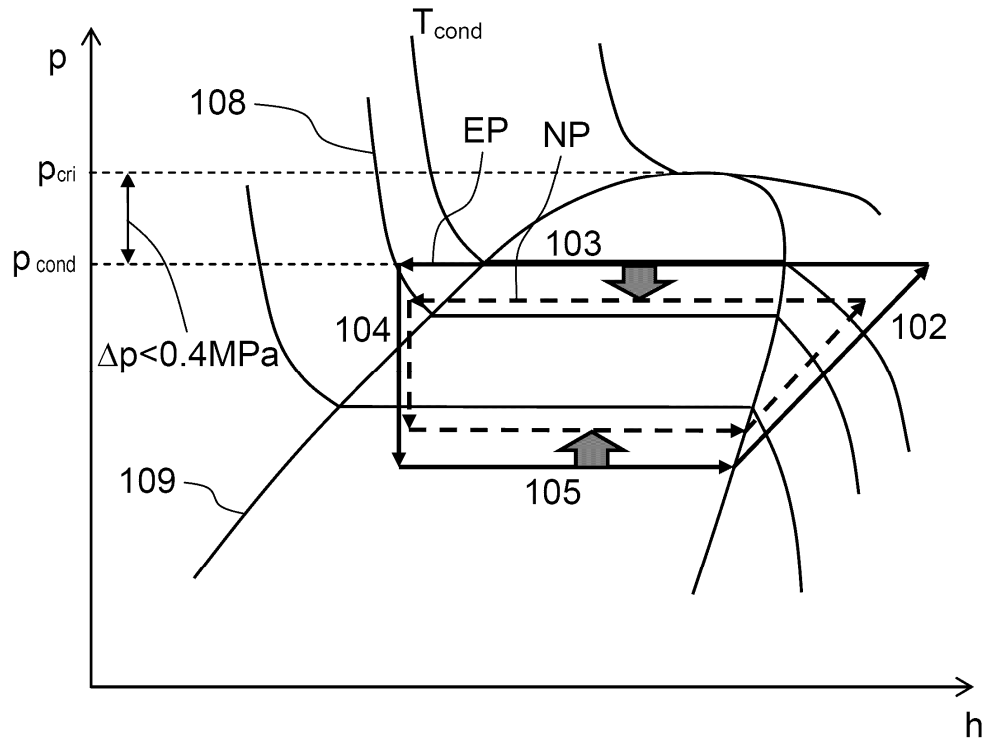
FIG. 16

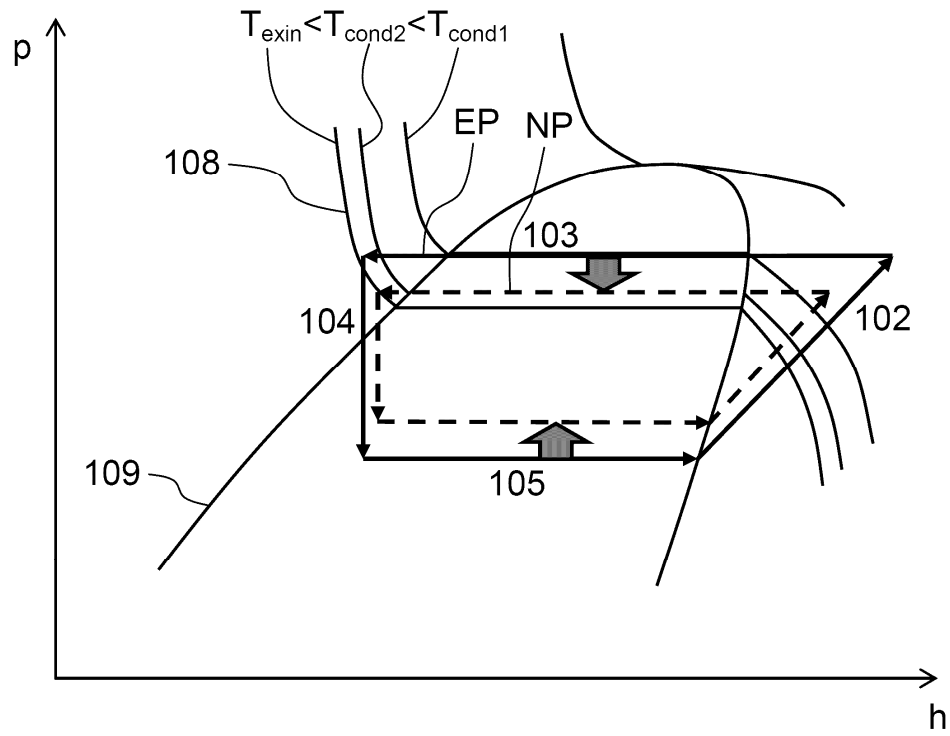
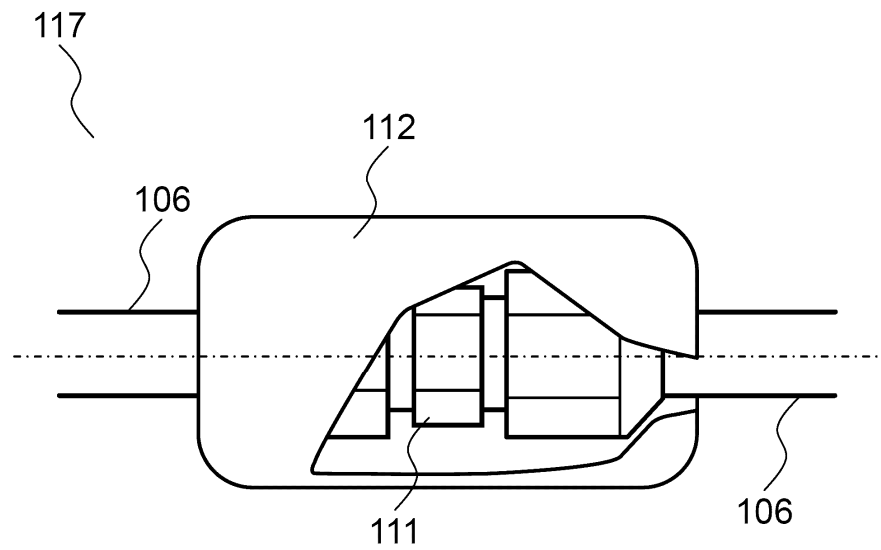
FIG. 17**FIG. 18**

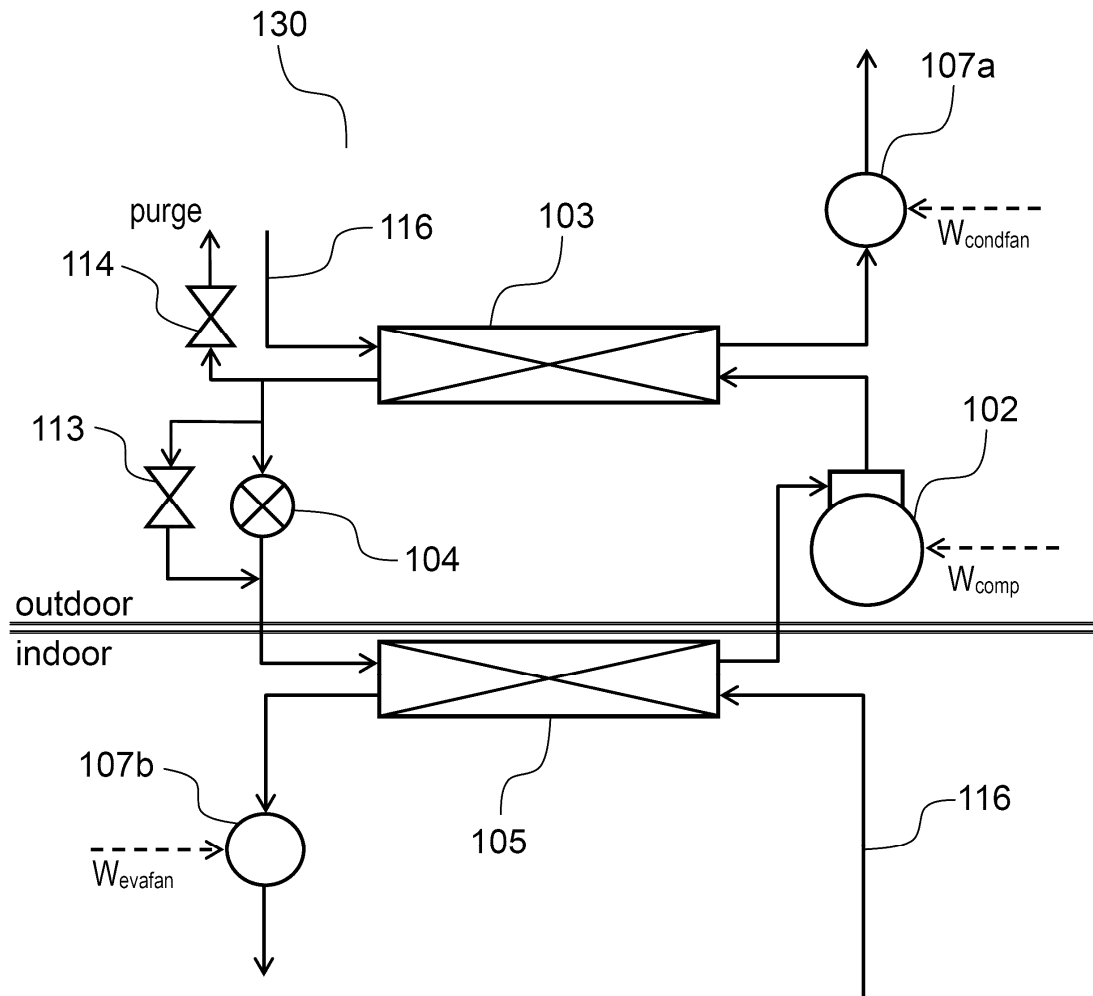
FIG. 19

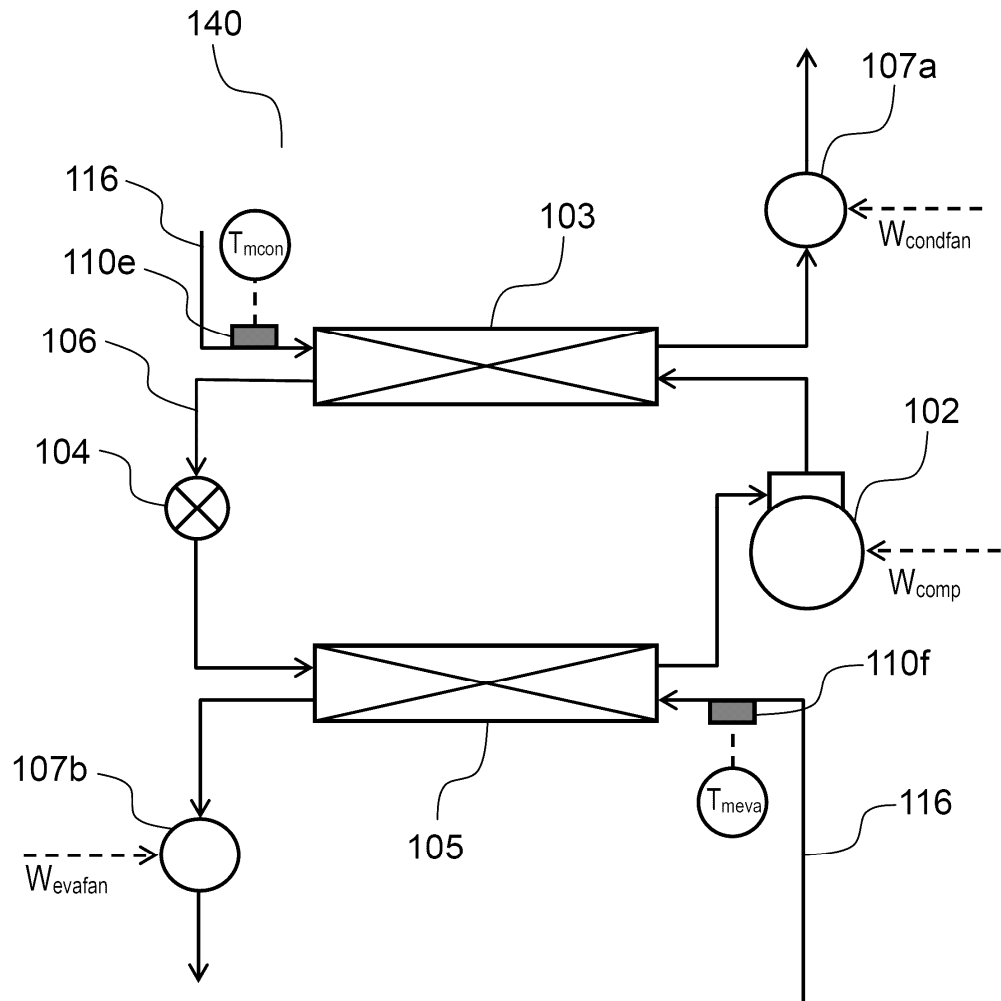
FIG. 20

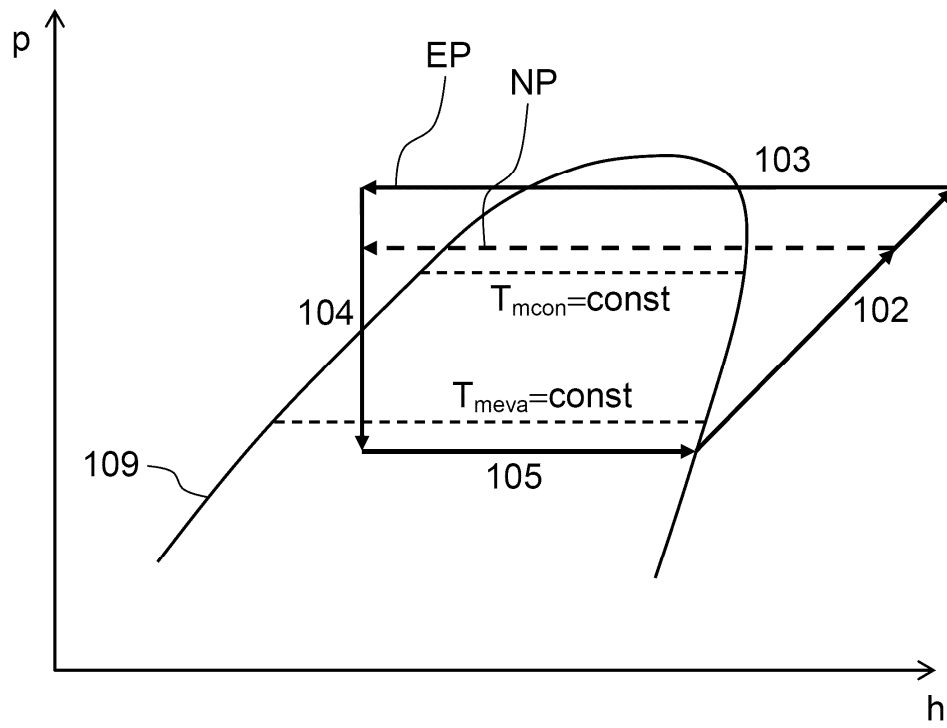
FIG. 21

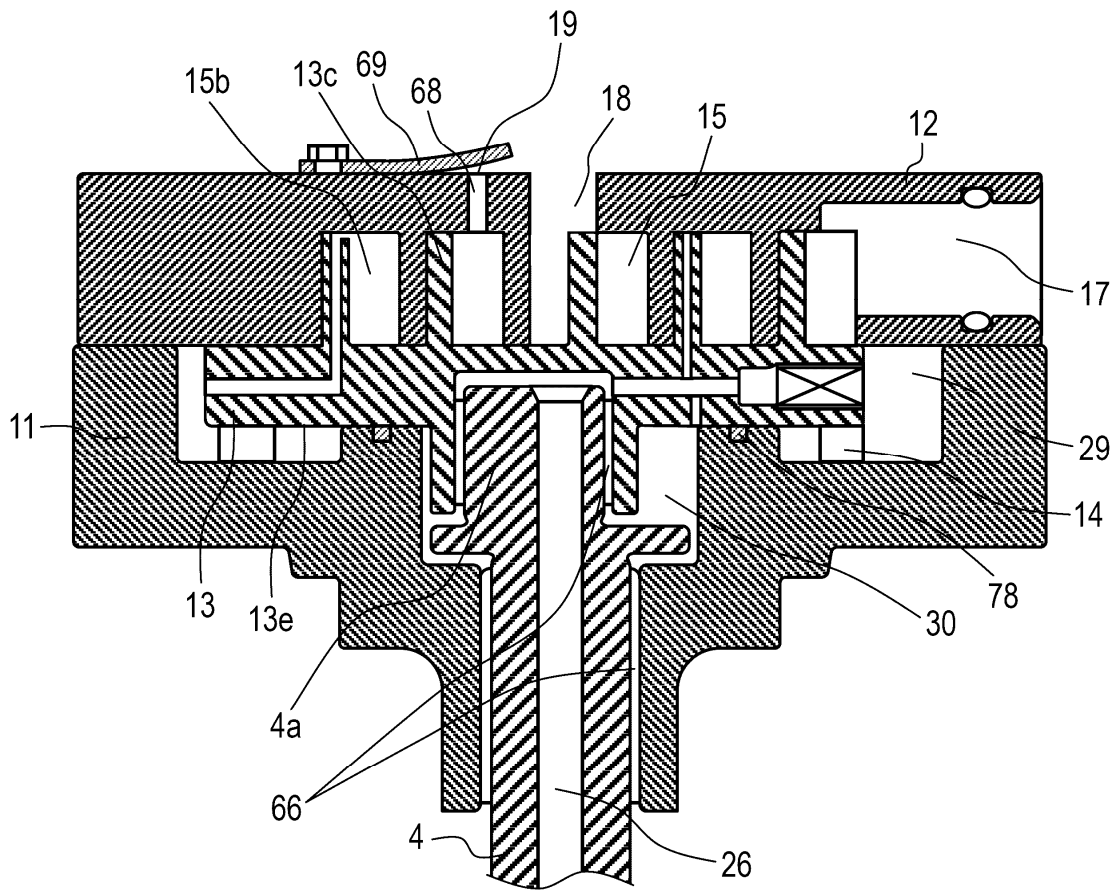
FIG. 22

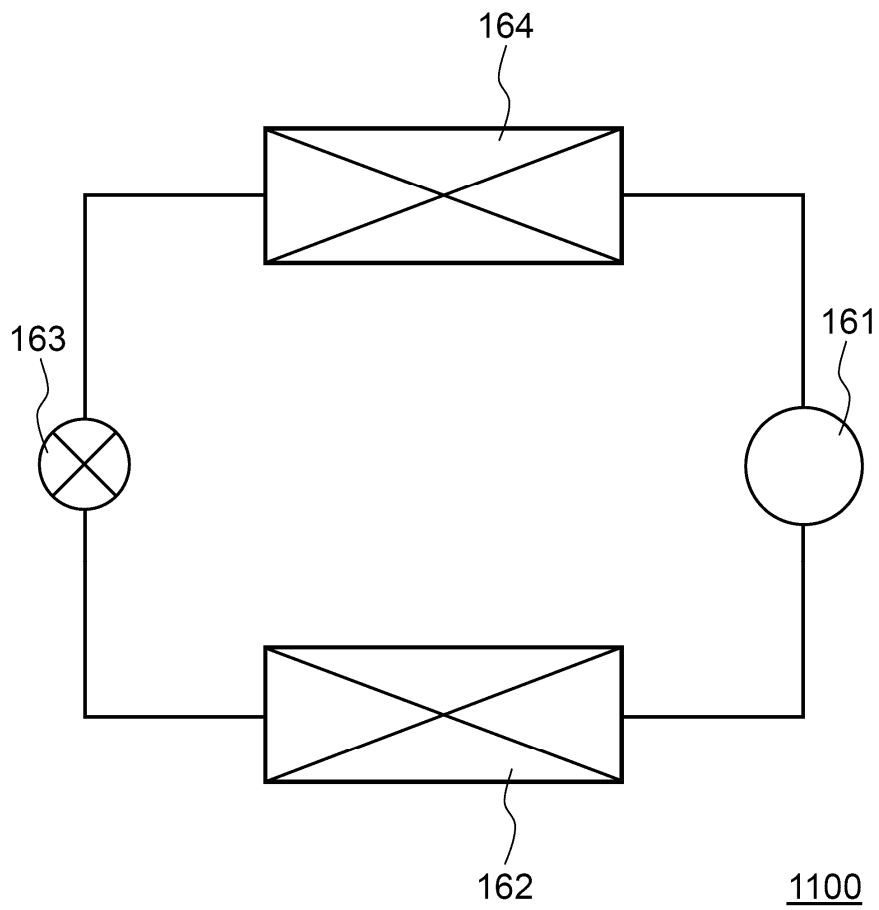
FIG. 23

FIG. 24

REFRIGERANT		R410A	R32/R1123 60/40	R32/R1123 50/50	R32/R1123 40/60	R32/R1123 30/70	R1123
GWP	-	2090	410	350	280	210	5
CONDENSATION PRESSURE	MPa	2.73	3.17	3.23	3.28	3.33	3.44
EVAPORATION PRESSURE	MPa	1.25	1.48	1.51	1.55	1.59	1.70
DISCHARGE TEMPERATURE	°C	62	69	68	67	66	65
REFRIGERATION PERFORMANCE	%	100%	118%	119%	120%	121%	125%
COP	%	100%	97%	96%	95%	94%	91%

FIG. 25

REFRIGERANT		R410A	R32/R1123 60/40	R32/R1123 50/50	R32/R1123 40/60	R32/R1123 30/70	R1123
GWP	-	2090	410	350	280	210	5
CONDENSATION PRESSURE	MPa	2.30	2.69	2.75	2.79	2.84	2.95
EVAPORATION PRESSURE	MPa	0.87	0.96	0.99	1.01	1.03	1.14
DISCHARGE TEMPERATURE	°C	56	65	64	63	62	60
REFRIGERATION PERFORMANCE	%	100%	118%	119%	120%	121%	125%
COP	%	100%	97%	96%	95%	94%	91%

FIG. 26

REFRIGERANT		R410A	R125/1123 60/40	R125/1123 50/50	R125/1123 40/60	R125/1123 30/70	R1123
GWP		2090	2100	1760	1410	1060	5
CONDENSATION PRESSURE	MPa	2.73	2.73	2.85	2.97	3.09	3.44
EVAPORATION PRESSURE	MPa	1.25	1.29	1.36	1.43	1.50	1.70
DISCHARGE TEMPERATURE	°C	62	60	61	62	63	65
REFRIGERATION PERFORMANCE	%	100%	96%	101%	105%	110%	125%
COP	%	100%	95%	94%	93%	93%	91%

FIG. 27

REFRIGERANT		R410A	R125/1123 60/40	R125/1123 50/50	R125/1123 40/60	R125/1123 30/70	R1123
GWP		2090	2100	1760	1410	1060	5
CONDENSATION PRESSURE	MPa	2.30	2.33	2.43	2.53	2.64	2.95
EVAPORATION PRESSURE	MPa	0.85	0.86	0.91	0.95	1.00	1.14
DISCHARGE TEMPERATURE	°C	56	58	58	58	59	60
REFRIGERATION PERFORMANCE	%	100%	96%	101%	106%	111%	125%
COP	%	100%	96%	95%	94%	93%	91%

FIG. 28

REFRIGERANT		R410A	R32/R125/ R1123 30/30/40	R32/R125/ R1123 25/25/50	R32/R125/ R1123 20/20/60	R32/R125/ R1123 15/15/70	R1123
GWP		2090	1260	1050	840	630	5
CONDENSATION PRESSURE	MPa	2.73	2.69	2.68	2.67	2.66	2.62
EVAPORATION PRESSURE	MPa	1.25	1.24	1.23	1.23	1.22	1.21
DISCHARGE TEMPERATURE	°C	62	63	64	64	65	65
REFRIGERATION PERFORMANCE	%	100%	107%	110%	113%	116%	125%
COP	%	100%	96%	95%	94%	93%	91%

FIG. 29

REFRIGERANT		R410A	R32/R125/ R1123 30/30/40	R32/R125/ R1123 25/25/50	R32/R125/ R1123 20/20/60	R32/R125/ R1123 15/15/70	R1123
GWP		2090	1260	1050	840	630	5
CONDENSATION PRESSURE	MPa	2.30	2.27	2.27	2.26	2.25	2.21
EVAPORATION PRESSURE	MPa	0.85	0.84	0.84	0.83	0.83	0.82
DISCHARGE TEMPERATURE	°C	56	58	58	59	59	60
REFRIGERATION PERFORMANCE	%	100%	107%	110%	113%	116%	125%
COP	%	100%	96%	96%	95%	94%	91%

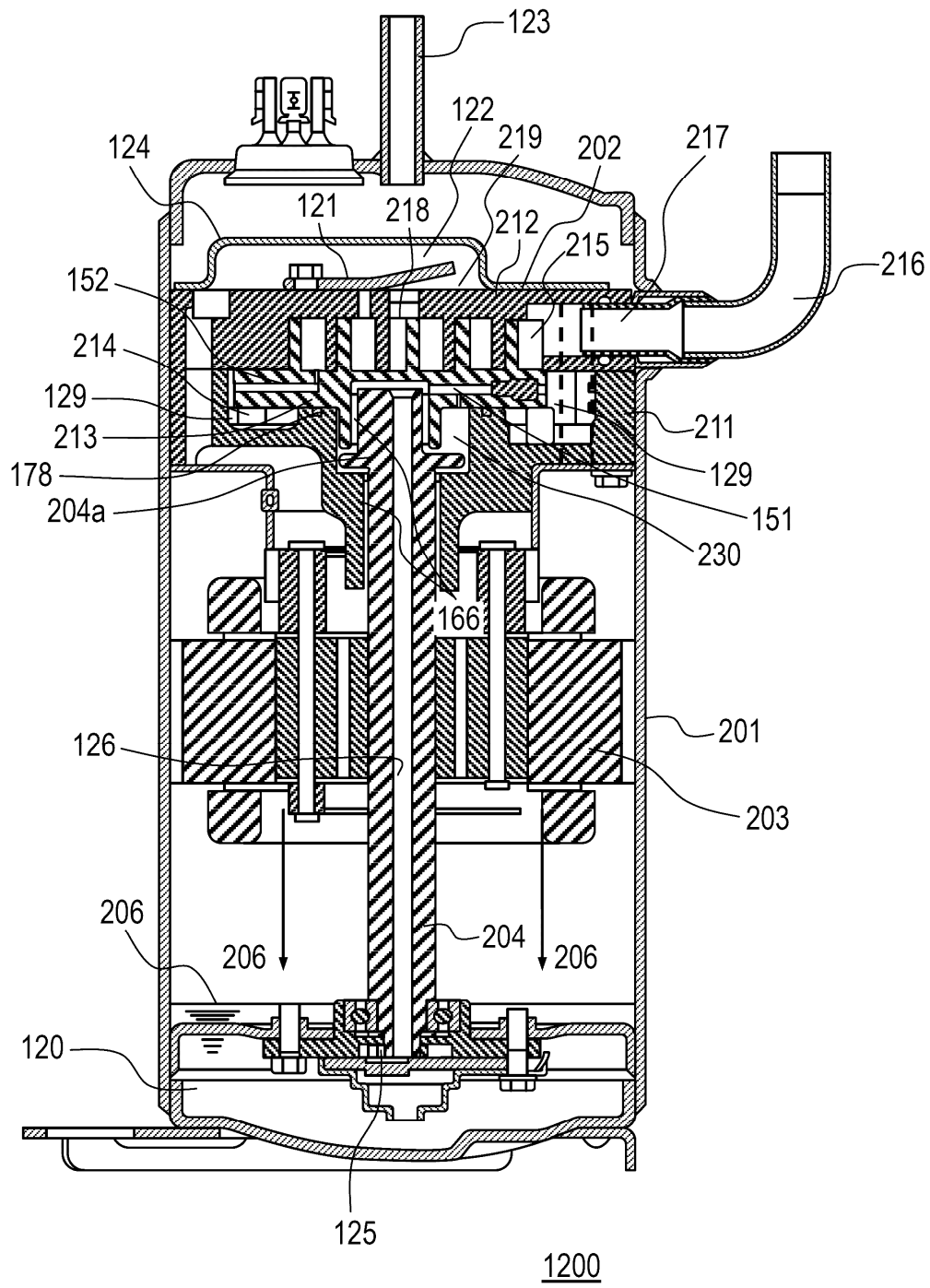
FIG. 30

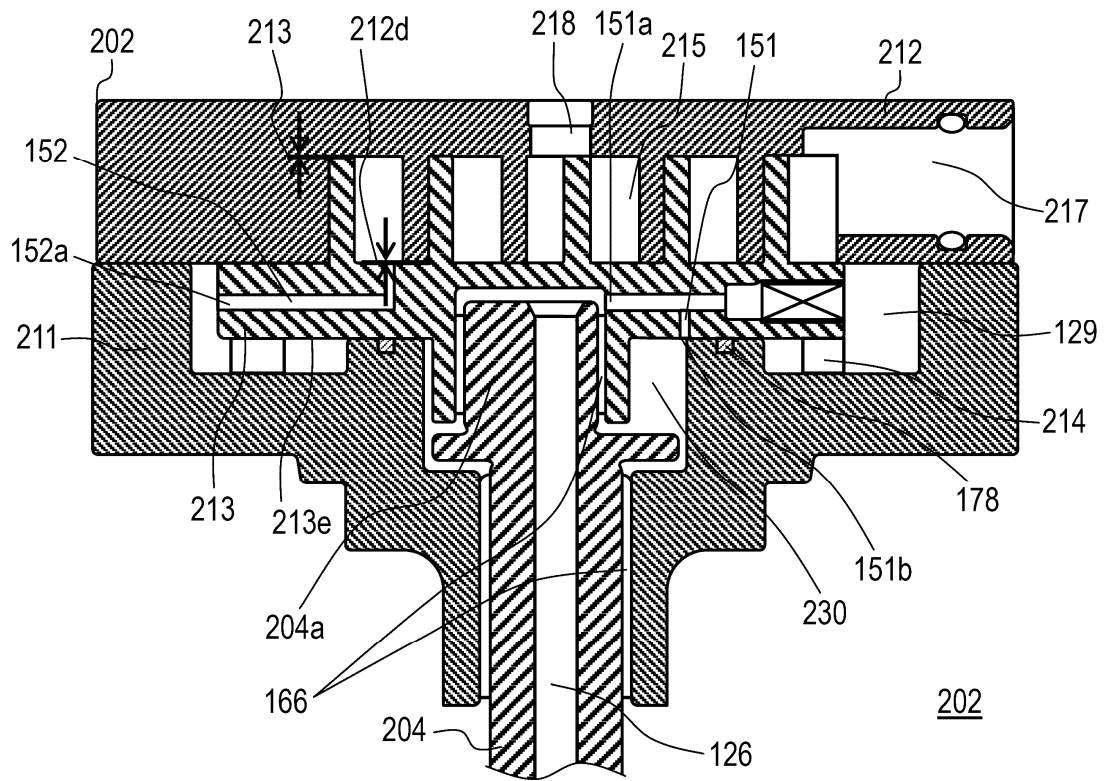
FIG. 31

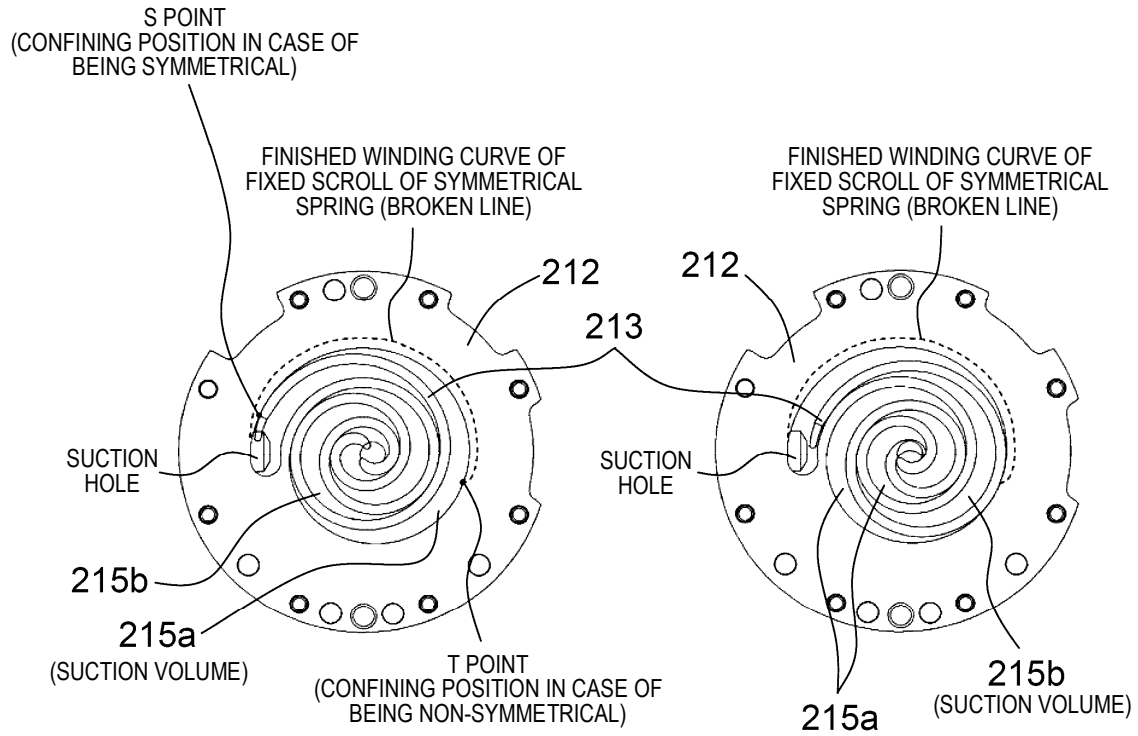
FIG. 32

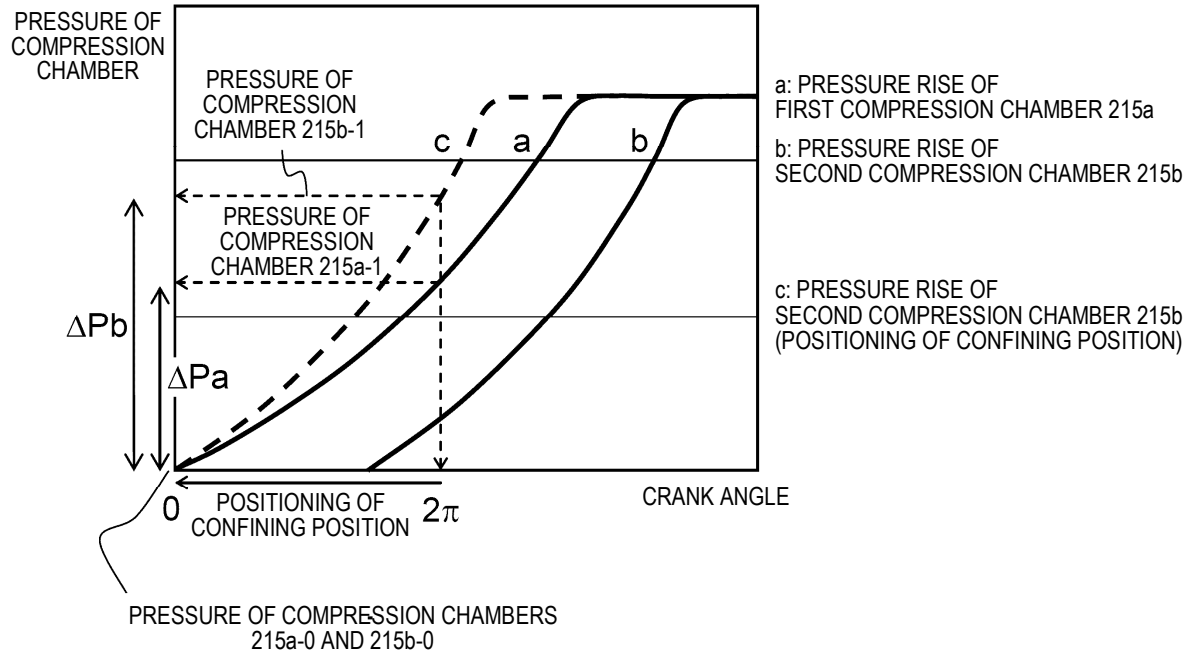
FIG. 33

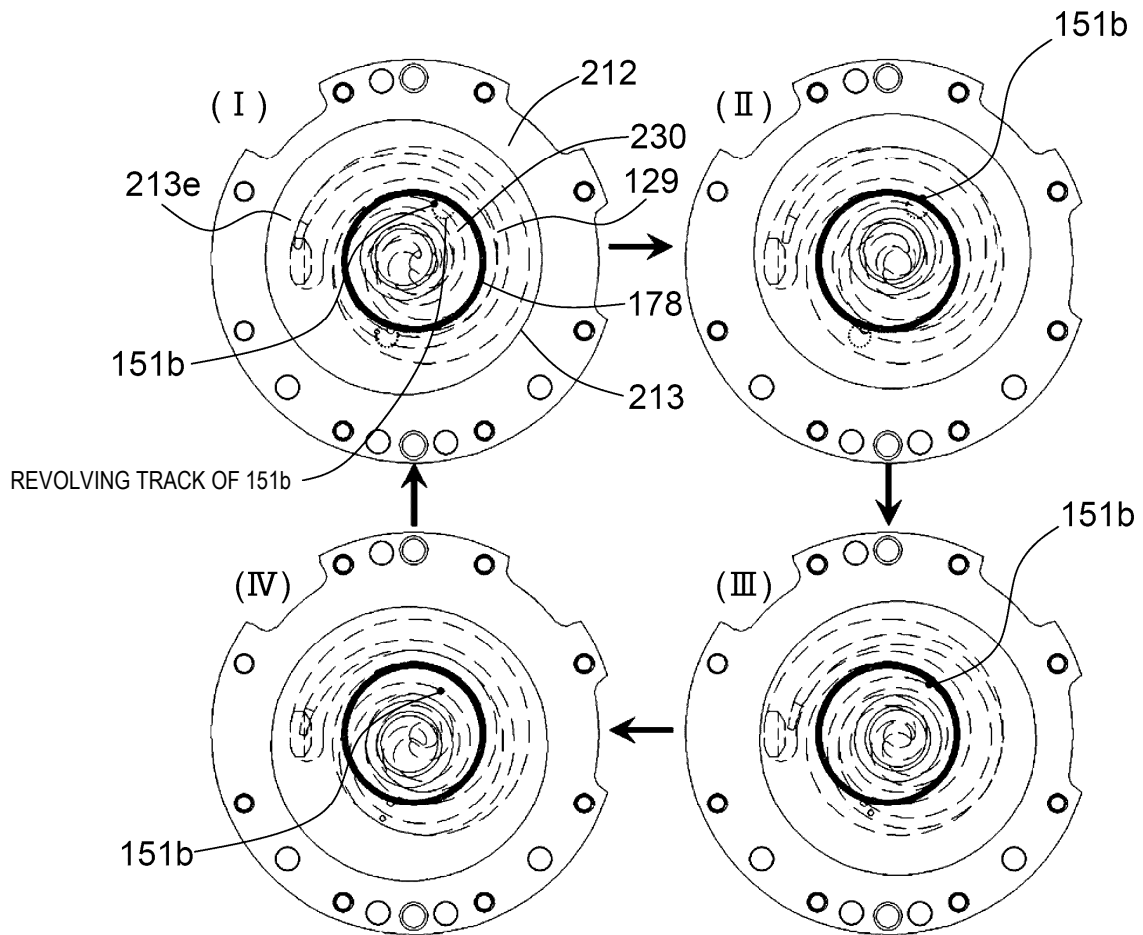
FIG. 34

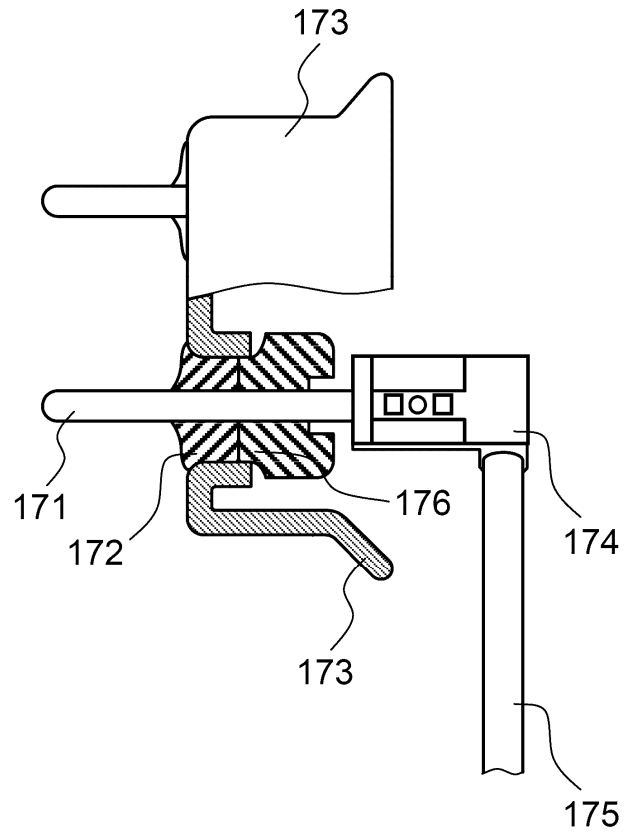
FIG. 35

FIG. 36

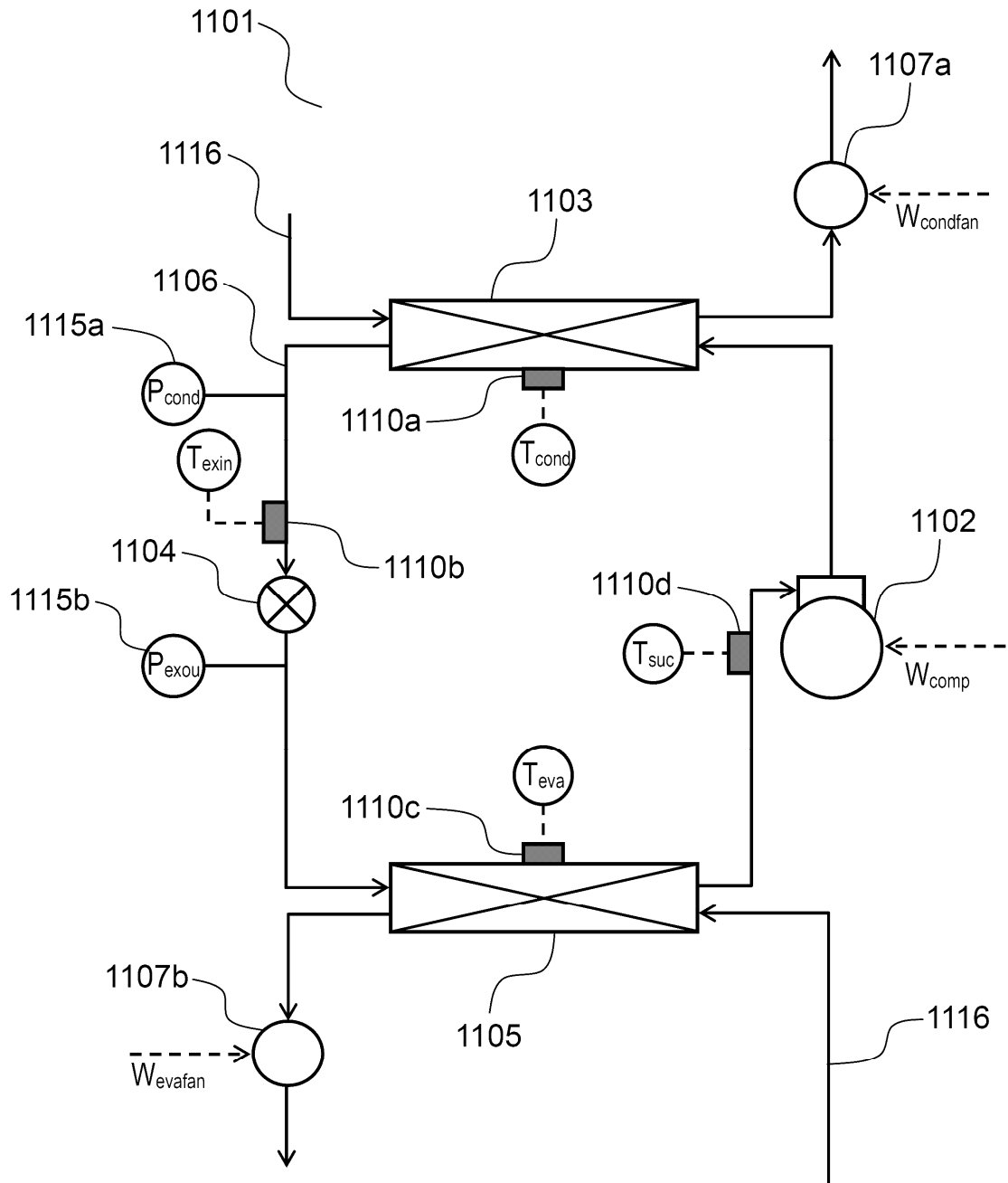


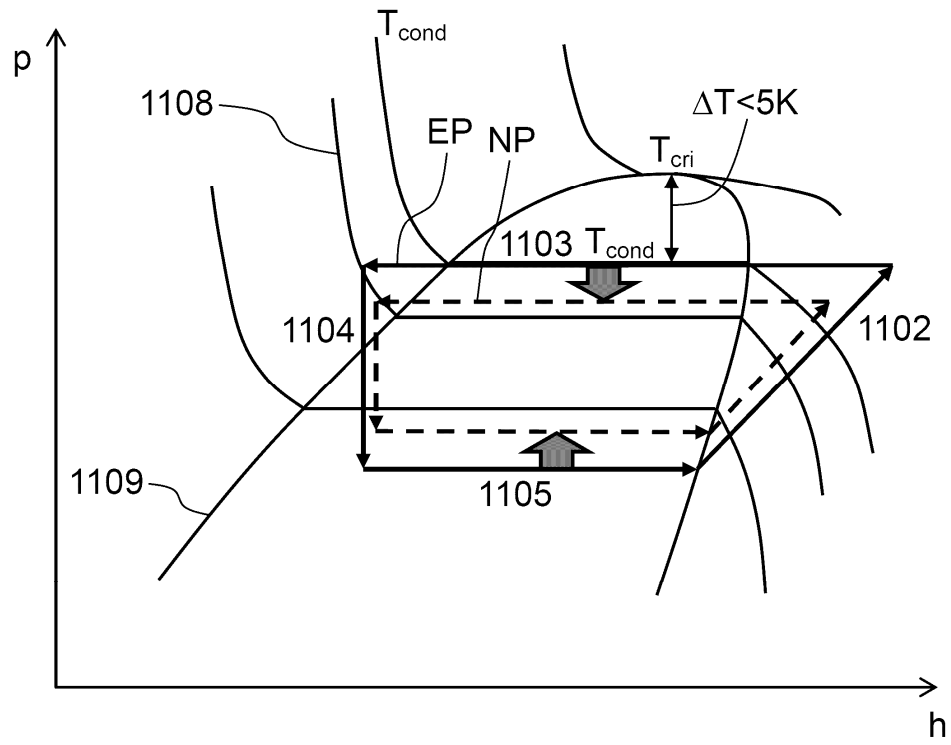
FIG. 37

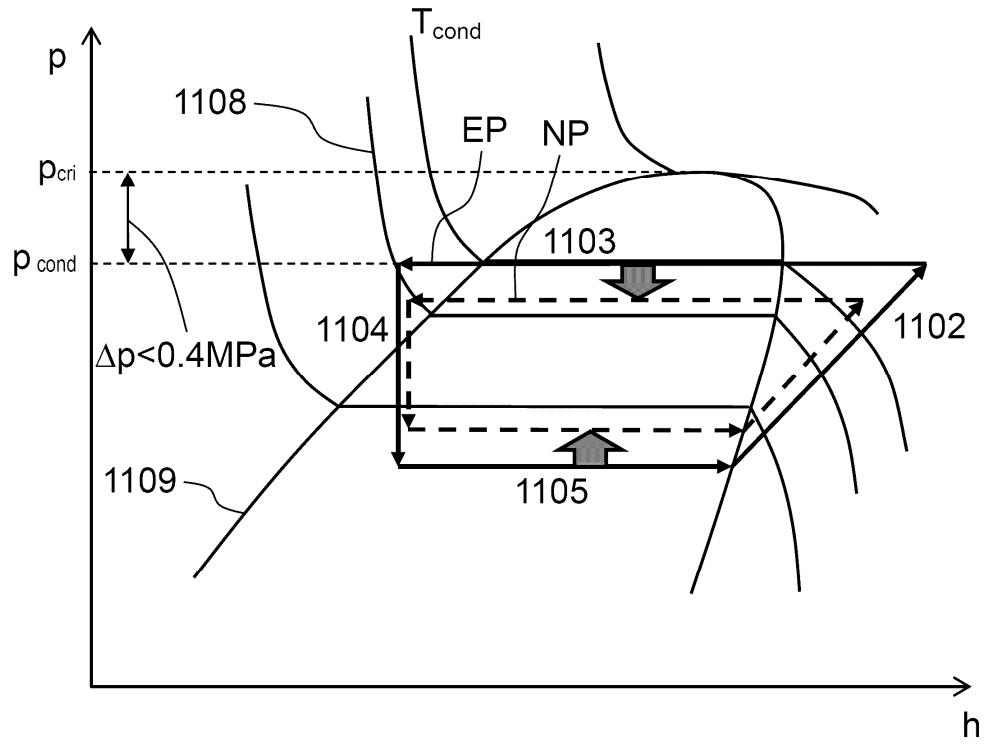
FIG. 38

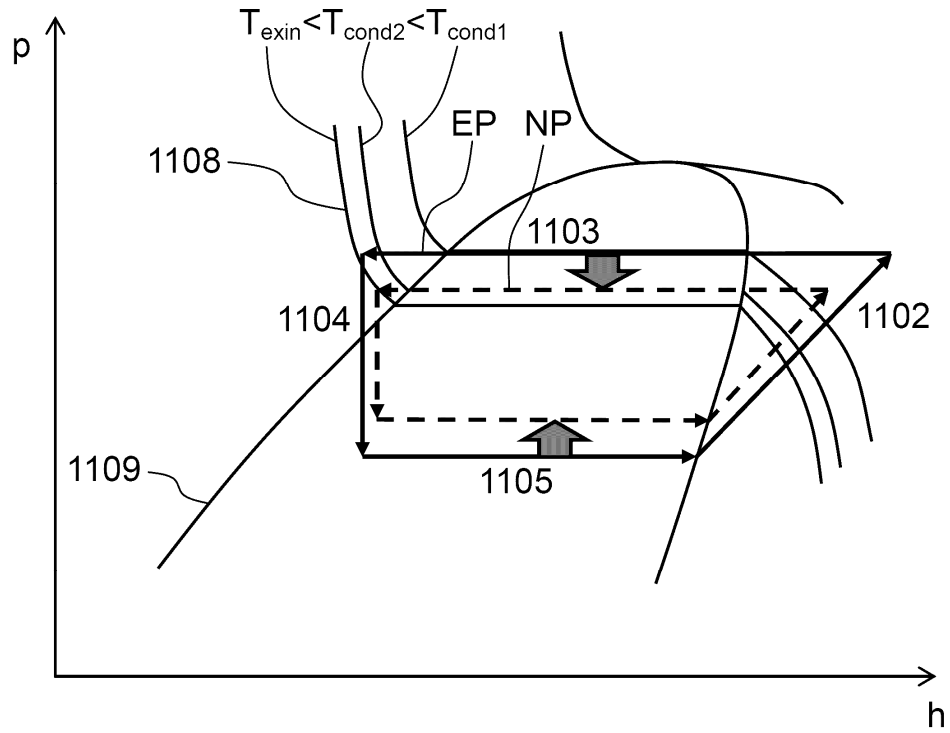
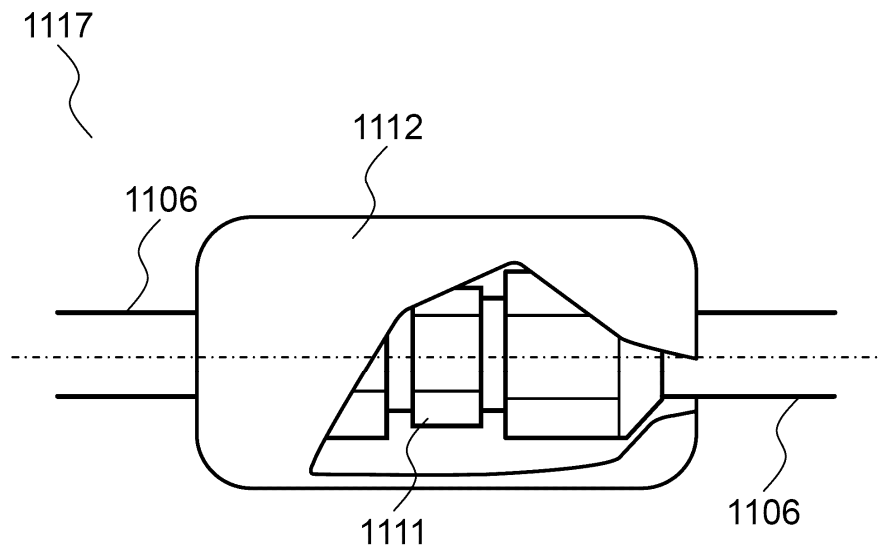
FIG. 39**FIG. 40**

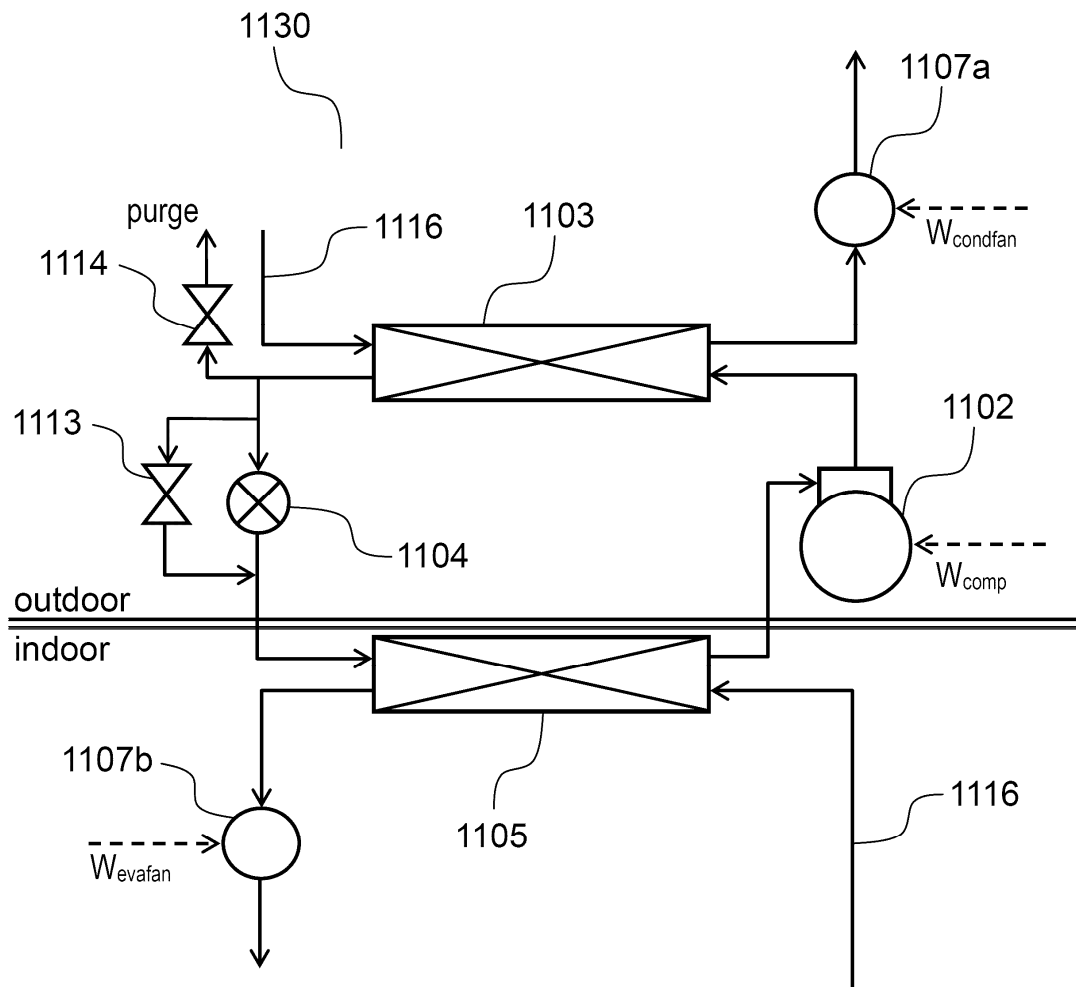
FIG. 41

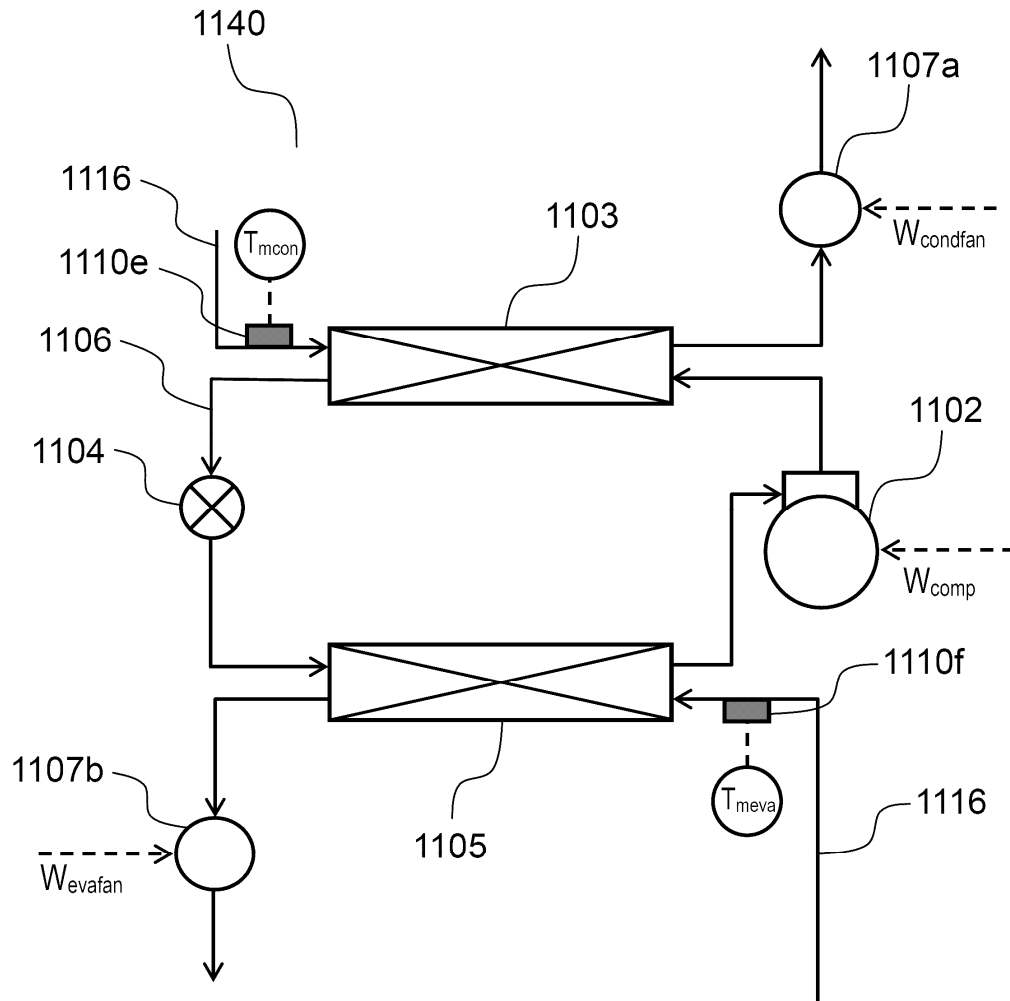
FIG. 42

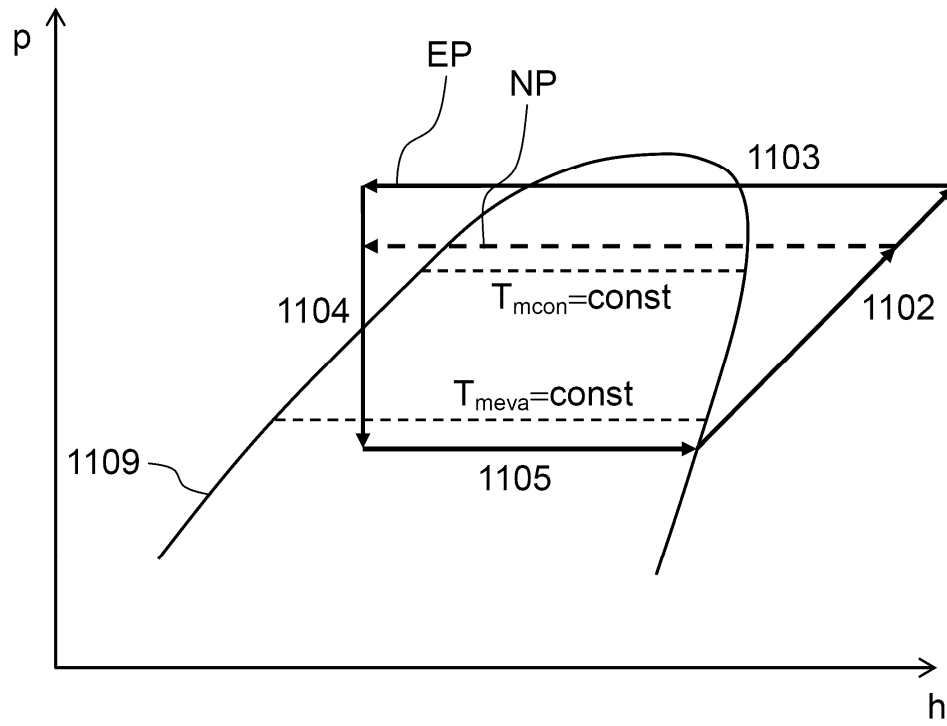
FIG. 43

FIG. 44

