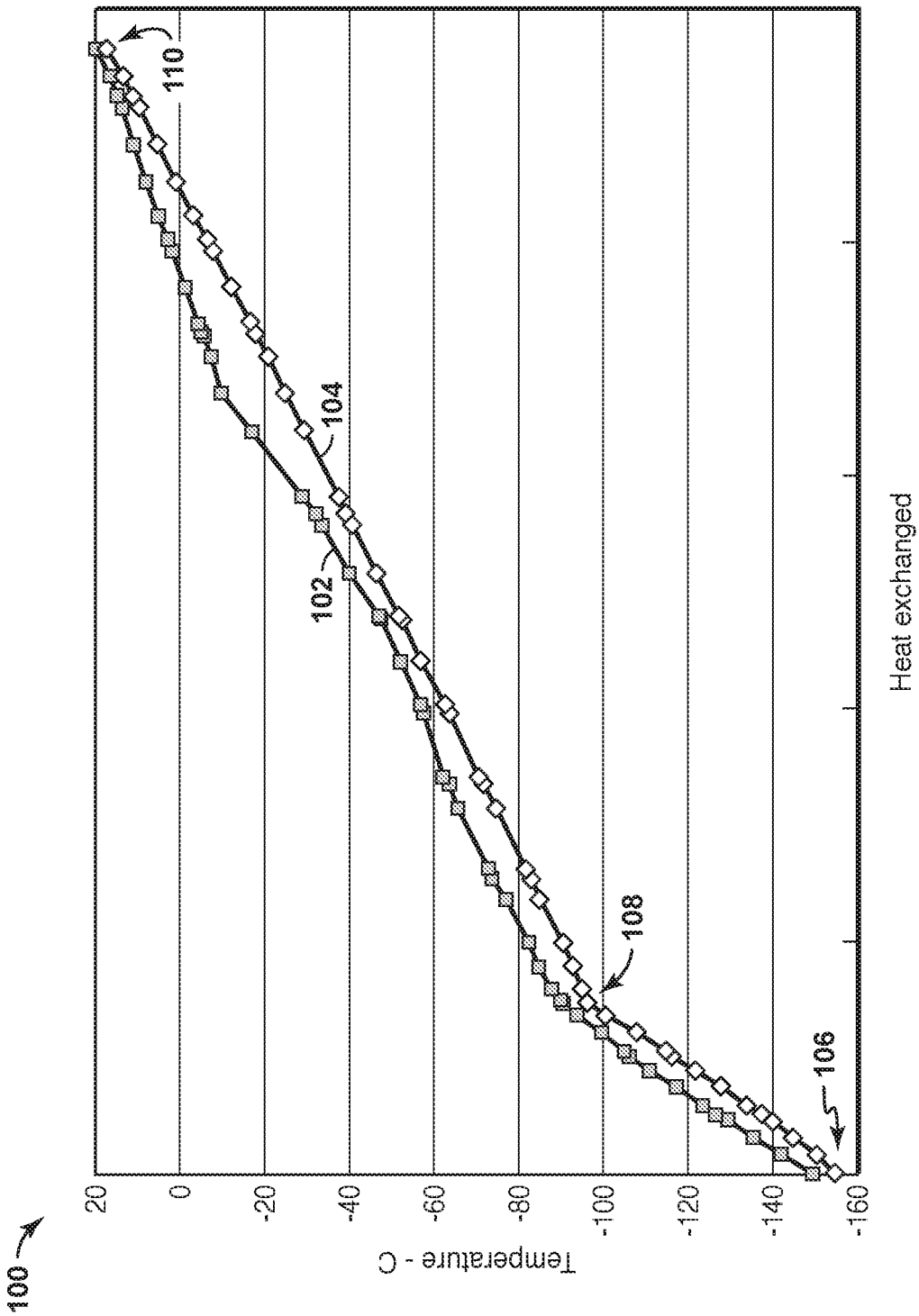

100
110
104
102
108
106
20
0
-20
-40
-60
-80
-100
-120
-140
-160
Temperature - C
Heat exchanged

FIG. 1

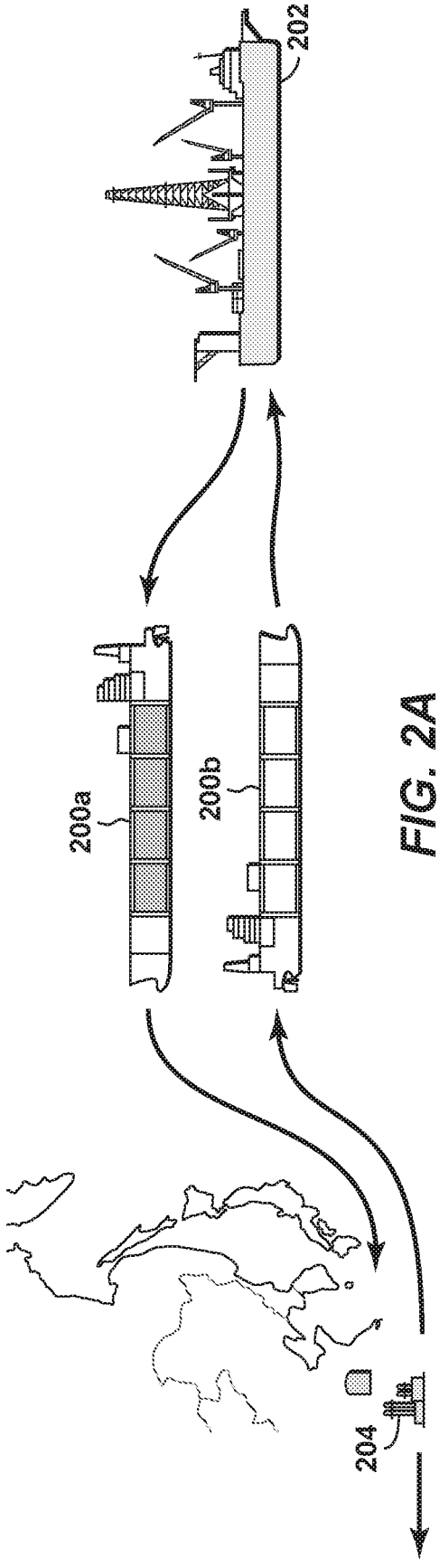


FIG. 2A
(Prior Art)

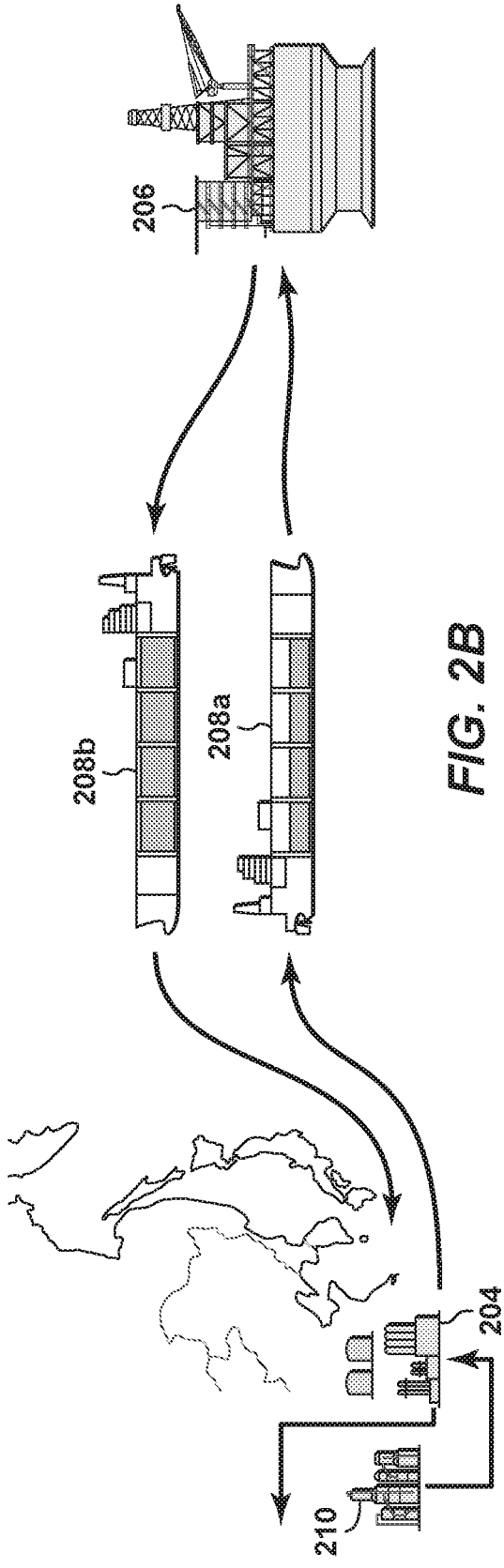


FIG. 2B

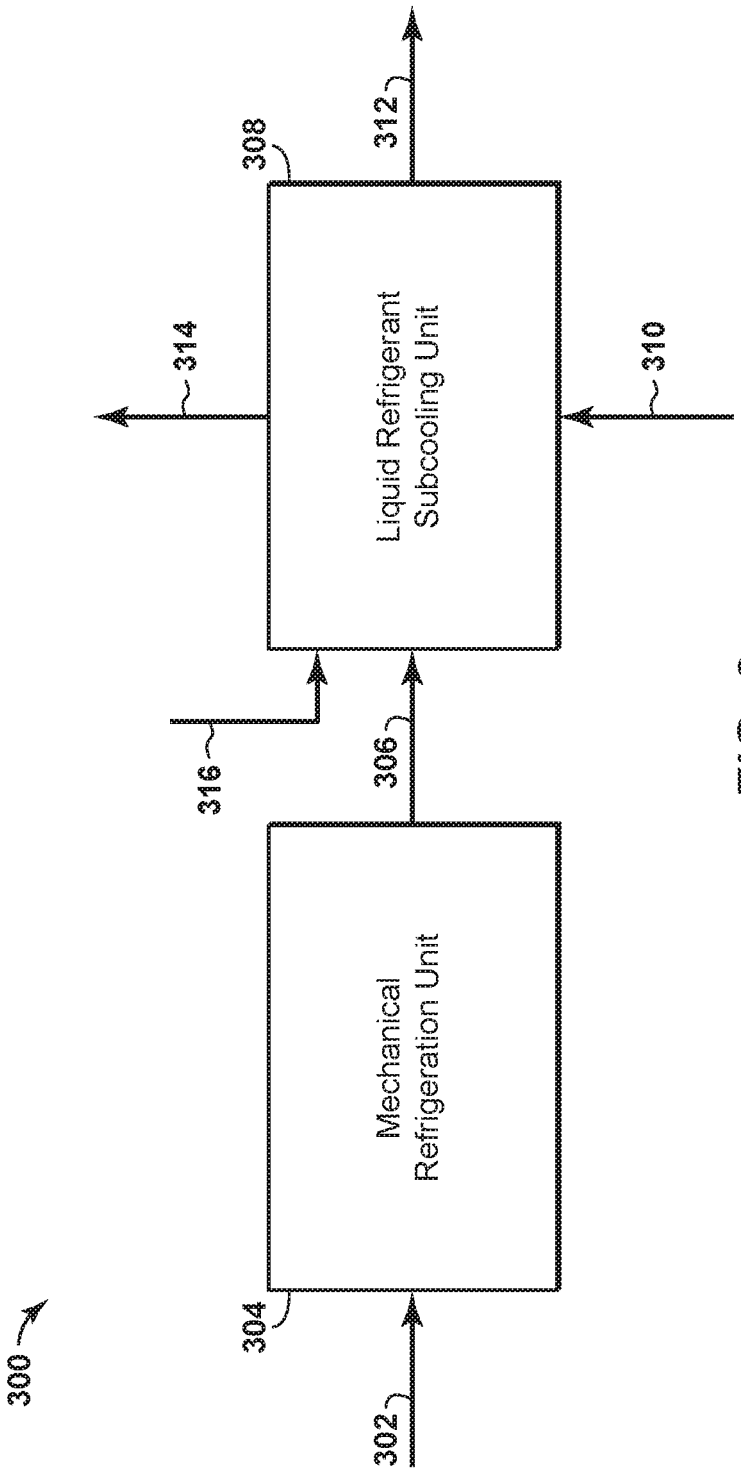

300
302
304
Mechanical Refrigeration Unit
306
316
308
Liquid Refrigerant Subcooling Unit
312
314
310

FIG. 3

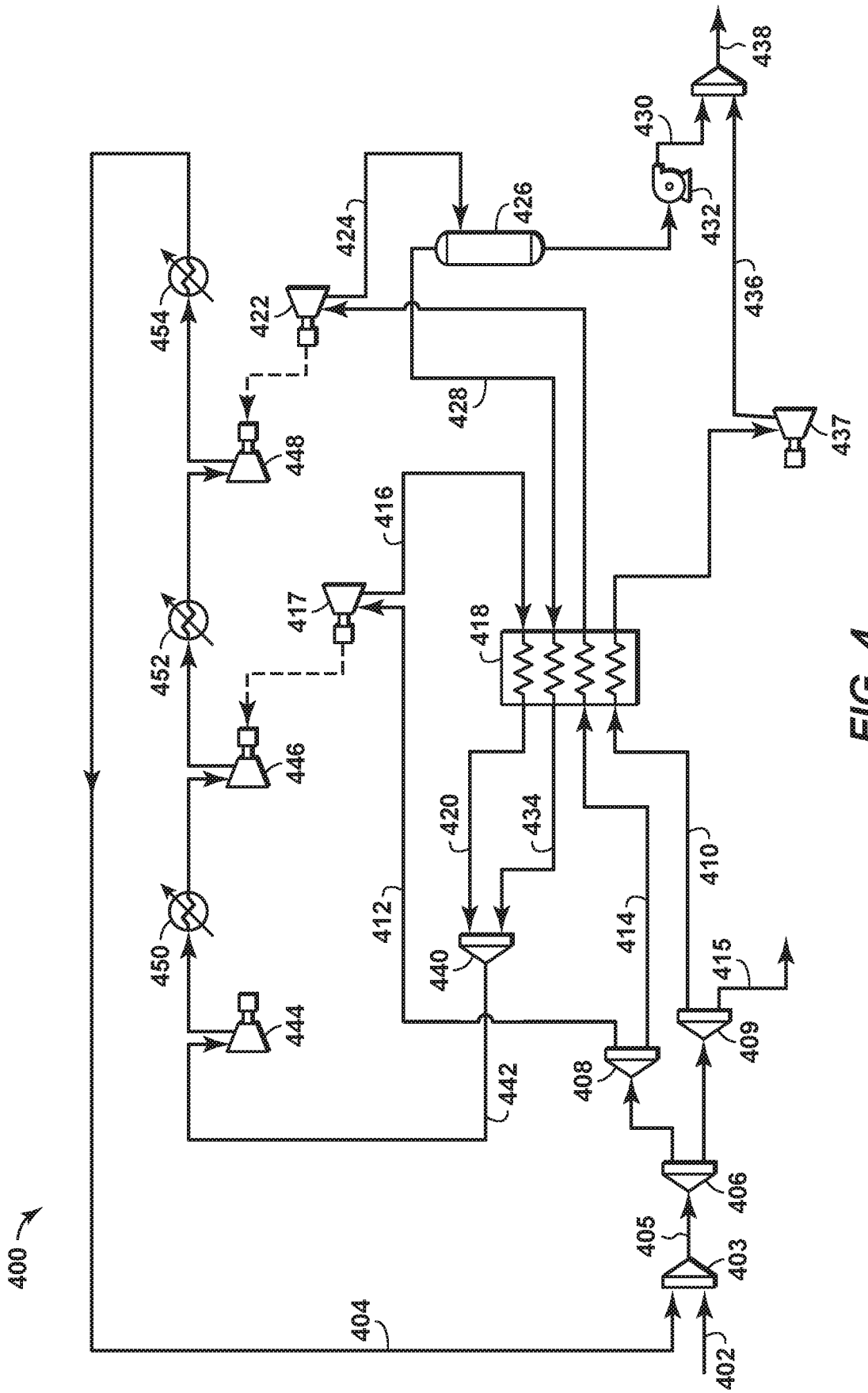

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FIG. 4

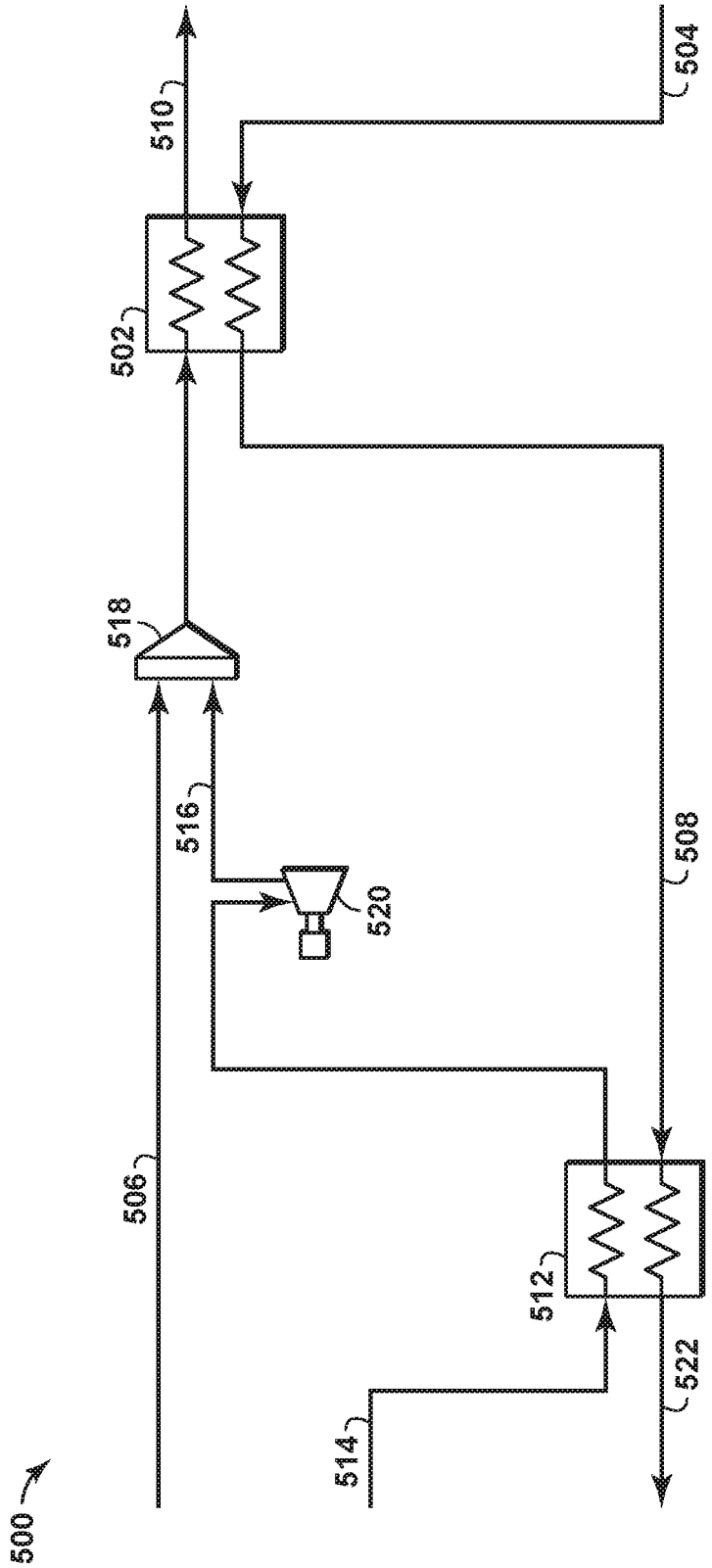


FIG. 5

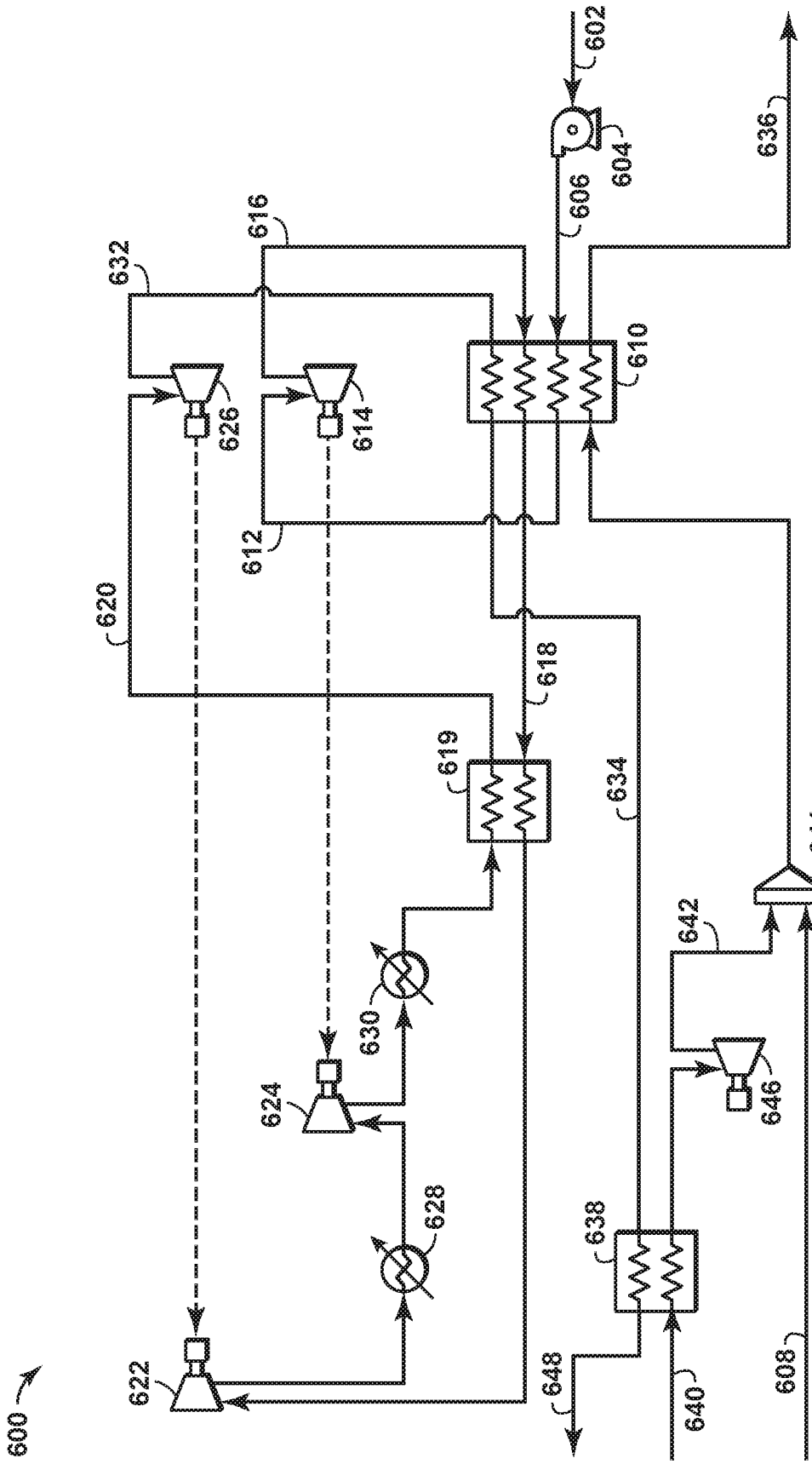

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FIG. 6

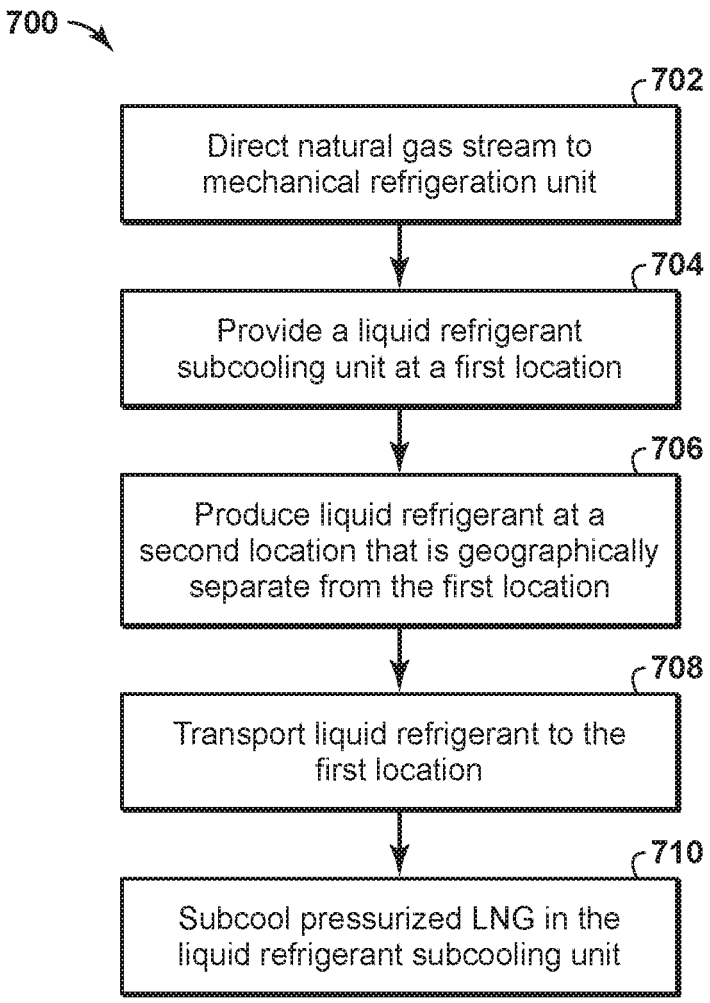

700
702
Direct natural gas stream to mechanical refrigeration unit
704
Provide a liquid refrigerant subcooling unit at a first location
706
Produce liquid refrigerant at a second location that is geographically separate from the first location
708
Transport liquid refrigerant to the first location
710
Subcool pressurized LNG in the liquid refrigerant subcooling unit

FIG. 7