ABSTRACT

REFRIGERATION UNIT WITH ATMOSPHERE CONTROL SYSTEM

A refrigeration unit for use with a container. The refrigeration unit includes a compressor, a condenser, an expansion device and an evaporator configured to circulate a refrigerant; a condenser section housing the compressor and the condenser; an evaporator section housing the evaporator; an atmosphere control system including an air compressor configured to generate compressed air; a separator configured to receive the compressed air and output nitrogen; the air compressor located in the condenser section; the separator located in the evaporator section.

[Figure 5]