

Title (en)

REFRIGERANT CYCLE WITH TANDEM COMPRESSORS FOR MULTI-LEVEL COOLING

Title (de)

KÜHLMITTELKREISLAUF MIT TANDEMKOMPRESSOREN ZUR MEHRSTUFIGEN KÜHLUNG

Title (fr)

CYCLE DE REFRIGERATION A L'AIDE DE COMPRESSEURS EN TANDEM POUR REFROIDISSEMENT A PALIERS MULTIPLES

Publication

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Application

EP 05817050 A 20051021

Priority

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- US 97588704 A 20041028

Abstract (en)

[origin: US2006090505A1] A tandem compressor cycle is utilized that delivers compressed refrigerant to a common discharge manifold, and then to a common condenser. From the common condenser, the refrigerant passes to a plurality of evaporators, with each of the evaporators being associated with a separate environment to be conditioned. Each of the evaporators is associated with one of the plurality of compressors. By utilizing the common condenser, yet a plurality of evaporators, the ability to independently condition a number of environments is achieved without the requirement of having a dedicated circuit with multiple additional components. Thus, the overall system cost can be greatly reduced. In embodiments, one or more of the plurality of compressors can be provided by a compressor bank having its own plurality of compressors.

IPC 8 full level

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