

Title (en)

START-UP FOR REFRIGERANT SYSTEM WITH HOT GAS REHEAT

Title (de)

START EINES KÜHLSYSTEMS MIT HEISSGASNEUERHITZUNG

Title (fr)

DEMARRAGE POUR SYSTEME REFRIGERANT AVEC RECHAUFFAGE DE GAZ CHAUD

Publication

**EP 2334995 A4 20140402 (EN)**

Application

**EP 09818193 A 20090902**

Priority

- US 2009055694 W 20090902
- US 10202508 P 20081002

Abstract (en)

[origin: WO2010039385A2] A refrigerant system has a compressor for compressing and delivering refrigerant to a heat rejecting heat exchanger. Refrigerant from the heat rejecting heat exchanger passes through an expansion device, and then to an evaporator. A reheat circuit includes a reheat valve for selectively tapping refrigerant from a location downstream of the compressor and upstream of the condenser. The reheat refrigerant passes through a reheat heat exchanger, the reheat heat exchanger being positioned to be in a path of air having passed over the evaporator, and delivered into an indoor environment to be conditioned. A control for the refrigerant system is operable to receive inputs from the indoor environment to be conditioned, and to control the several components in the refrigerant system, the control being operable to determine a request for dehumidification provided without any request for significant change in the temperature of the air being delivered into the indoor environment to be conditioned, but said control starting operation of the refrigerant system by enabling cooling mode of operation initially and at least for a short period of time.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

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