

Title (en)

REFRIGERANT SYSTEM WITH MULTI-SPEED PULSE WIDTH MODULATED COMPRESSOR

Title (de)

KÄLTEMITTELSYSTEM MIT PULSBREITENMODULIERTEM MEHRGESCHWINDIGKEITSKOMPRESSOR

Title (fr)

SYSTÈME RÉFRIGÉRANT AVEC COMPRESSEUR À MODULATION D'IMPULSIONS EN DURÉE À VITESSE MULTIPLE

Publication

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Application

EP 06825706 A 20061006

Priority

US 2006039583 W 20061006

Abstract (en)

[origin: WO2008041996A1] A refrigerant system is provided with a compressor having a motor that is operable at least at two distinct speeds. The pulse width modulation control is provided to cycle a compressor motor operation between its at least two speeds at a specific rate to exactly match thermal load demands in a conditioned space. The present invention reduces cycling and other efficiency losses as have been experienced in the prior art, as well as minimizes cost and may improve reliability. Also, the present invention can be utilized in conjunction with other known unloading techniques.

IPC 8 full level

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