

Title (en)
IMPROVED OPERATION OF A REFRIGERANT SYSTEM

Title (de)
VERBESSERTER BETRIEB EINES KÜHLSYSTEMS

Title (fr)
FONCTIONNEMENT AMÉLIORÉ D'UN SYSTÈME DE RÉFRIGÉRATION

Publication
EP 2321593 A4 20140528 (EN)

Application
EP 09805559 A 20090806

Priority
• US 2009052995 W 20090806
• US 8700808 P 20080807

Abstract (en)
[origin: WO2010017384A2] A method and system for operating a refrigerant system having a reciprocating compressor with a main cylinder module and an economizer cylinder module includes regulating a flow of refrigerant into the main cylinder module and regulating a flow of refrigerant into the economizer cylinder module. The main cylinder module and the economizer cylinder module have separate inlet and outlet discharge streams. The flow through each module is regulated as a function of an operating mode of the refrigerant system, which includes various modes of loading and unloading based, in part, on a cooling demand. In some embodiments, the refrigerant system may include a connector refrigerant line configured to redirect refrigerant from the economizer cylinder module to the main cylinder module or from the main cylinder module to the economizer cylinder module.

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Citation (search report)
• [XY] US 2006288719 A1 20061228 - SHAPIRO DORON [US], et al
• [Y] US 6047556 A 20000411 - LIFSON ALEXANDER [US]
• See references of WO 2010017384A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
US 2009052995 W 20090806; EP 09805559 A 20090806; US 200913057959 A 20090806