

Title (en)
REFRIGERANT SYSTEM AND METHOD OF OPERATING THE SAME

Title (de)
KÄLTEMITTELSYSTEM UND BETRIEBSVERFAHREN DAFÜR

Title (fr)
SYSTÈME DE RÉFRIGÉRANT ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication
EP 2286162 A4 20120912 (EN)

Application
EP 07863161 A 20071220

Priority
US 2007026044 W 20071220

Abstract (en)
[origin: WO2009082367A1] The present disclosure provides a refrigerant system that comprises a compressor, a main refrigerant circuit, an economizer refrigerant circuit, and a bypass refrigerant circuit. The refrigerant system further comprises a single refrigerant flow control device switching between different operational modes to provide various degree of system unloading in operation. The present disclosure also provides a method of operating the refrigerant system.

IPC 8 full level
F25B 1/10 (2006.01); **F25B 41/00** (2006.01)

CPC (source: EP US)
F25B 1/10 (2013.01 - EP US); **F25B 2400/13** (2013.01 - EP US); **F25B 2600/0261** (2013.01 - EP US); **F25B 2600/2501** (2013.01 - EP US); **F25B 2600/2521** (2013.01 - EP US)

Citation (search report)

- [X1] JP H1194368 A 19990409 - MATSUSHITA ELECTRIC IND CO LTD
- [X1] WO 2006130137 A2 20061207 - CARRIER CORP [US], et al
- [X1] US 2006037336 A1 20060223 - BUSH JAMES W [US]
- See references of WO 2009082367A1

Cited by
CN107062696A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009082367 A1 20090702; EP 2286162 A1 20110223; EP 2286162 A4 20120912; US 2011094248 A1 20110428

DOCDB simple family (application)
US 2007026044 W 20071220; EP 07863161 A 20071220; US 99793807 A 20071220