

Title (en)

APPARATUS AND SYSTEM FOR REFRIGERANT COMPRESSOR WITH LIQUID-SUCTION HEAT EXCHANGER

Title (de)

VORRICHTUNG UND SYSTEM FÜR KÄLTEMITTELKOMPRESSOR MIT SAUGLEITUNGSWÄRMETAUSCHER

Title (fr)

APPAREIL ET SYSTEME POUR COMPRESSEUR A REFRIGERANT AVEC ECHANGEUR THERMIQUE A ASPIRATION LIQUIDE

Publication

EP 1938027 A4 20111221 (EN)

Application

EP 05802950 A 20050929

Priority

US 2005035121 W 20050929

Abstract (en)

[origin: WO2007040519A1] There is provided a refrigeration apparatus (100). The refrigeration apparatus (100) includes a liquid suction heat exchanger (LSHX) (110) and a compressor (120). The LSHX (110) and the compressor (120) are formed as an integral module (150). Disclosed combinations include tandem compressors (151, 152) and multiple integral module configurations (185, 186).

IPC 8 full level

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CPC (source: EP US)

F25B 31/02 (2013.01 - EP US); **F25B 40/00** (2013.01 - EP US); **F25B 2400/054** (2013.01 - EP US); **F25B 2400/21** (2013.01 - EP US); **F25B 2500/18** (2013.01 - EP US); **F25B 2500/28** (2013.01 - EP US)

Citation (search report)

- [X] WO 03098131 A1 20031127 - SCOTSMAN ICE SYSTEMS [US], et al
- [I] JP 2005146987 A 20050609 - SANYO ELECTRIC CO
- [I] JP 2004239506 A 20040826 - DENSO CORP
- [I] JP H11281207 A 19991015 - SANYO ELECTRIC CO
- [A] JP 2002005024 A 20020109 - DENSO CORP
- See references of WO 2007040519A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 2007040519 A1 20070412; CN 101443607 A 20090527; EP 1938027 A1 20080702; EP 1938027 A4 20111221; US 2010132402 A1 20100603

DOCDB simple family (application)

US 2005035121 W 20050929; CN 200580052140 A 20050929; EP 05802950 A 20050929; US 99262905 A 20050929