

Title (en)  
HEAT EXCHANGER ARRANGEMENT

Title (de)  
WÄRMETAUSCHERANORDNUNG

Title (fr)  
AGENCEMENT D'ECHANGEUR DE CHALEUR

Publication  
**EP 1869374 A4 20111116 (EN)**

Application  
**EP 05856003 A 20051230**

Priority  
• US 2005047523 W 20051230  
• US 66396205 P 20050318

Abstract (en)  
[origin: WO2006101562A2] A refrigeration system includes a compressor for driving a refrigerant along a flow path in at least a first mode of system operation; a first heat exchanger along the flow path downstream of the compressor in the first mode; a second heat exchanger along the flow path upstream of the compressor in the first mode; and a pressure regulator or expansion device in the flow path downstream of the first heat exchanger and upstream of the second heat exchanger in the first mode, wherein the first heat exchanger is positioned within a housing which defines a flow path for heat exchange fluid and the housing defines a zone of reduced flow area along the flow path, and wherein the first heat exchanger is positioned in the zone of reduced flow area.

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

CPC (source: EP US)  
**F25B 6/04** (2013.01 - EP US); **F25B 9/008** (2013.01 - EP US); **F25D 19/02** (2013.01 - EP US); **F28D 1/0477** (2013.01 - EP US); **F28F 1/122** (2013.01 - EP US); **F28F 1/32** (2013.01 - EP US); **F28F 9/262** (2013.01 - EP US); **F25B 2309/061** (2013.01 - EP US); **F25D 23/003** (2013.01 - EP US); **F25D 2317/0651** (2013.01 - EP US); **F25D 2317/0661** (2013.01 - EP US); **F25D 2323/00264** (2013.01 - EP US); **F25D 2323/00271** (2013.01 - EP US); **F25D 2500/02** (2013.01 - EP US)

Citation (search report)  
• [XAY] JP H06207773 A 19940726 - TOSHIBA CORP  
• [XAYI] JP 2004077079 A 20040311 - SHOWA DENKO KK  
• [XAY] US 2005039483 A1 20050224 - YUN DUKE-WON [KR], et al  
• [IA] US 2002124590 A1 20020912 - RUDICK ARTHUR G [US]  
• See references of WO 2006101562A2

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006101562 A2 20060928; WO 2006101562 A3 20080117**; CN 101184963 A 20080521; EP 1869374 A2 20071226; EP 1869374 A4 20111116; JP 2008533424 A 20080821; US 2008184713 A1 20080807

DOCDB simple family (application)  
**US 2005047523 W 20051230**; CN 200580049151 A 20051230; EP 05856003 A 20051230; JP 2008501862 A 20051230; US 90840807 A 20070912