

Title (en)  
TRANSCRITICAL REFRIGERATION WITH PRESSURE ADDITION RELIEF VALVE

Title (de)  
TRANSKRITISCHE KÜHLUNG MIT DRUCKZUSATZENTLASTUNGSVENTIL

Title (fr)  
REFRIGERATION TRANSCRITIQUE AVEC VANNE DE DECHARGE D'ADDITION DE PRESSION

Publication  
**EP 1875142 A4 20080514 (EN)**

Application  
**EP 05856051 A 20051231**

Priority  
• US 2005047578 W 20051231  
• US 66395905 P 20050318

Abstract (en)  
[origin: WO2006101570A1] A refrigeration system (20) includes a pressure addition relief valve (62) in parallel with an expansion device (63).

IPC 8 full level  
**F25B 41/00** (2006.01); **B65D 51/16** (2006.01); **F16K 3/36** (2006.01); **F16K 15/14** (2006.01); **F25B 41/04** (2006.01); **F25B 47/00** (2006.01)

CPC (source: EP US)  
**F25B 9/008** (2013.01 - EP US); **F25B 41/335** (2021.01 - EP US); **F25B 2309/061** (2013.01 - EP US); **F25B 2400/0411** (2013.01 - EP US); **F25B 2500/18** (2013.01 - EP US); **F25B 2600/2525** (2013.01 - EP US); **F25D 31/007** (2013.01 - EP US)

Citation (search report)  
• [X] EP 1001229 A2 20000517 - FORD WERKE AG [DE]  
• [X] EP 1134467 A1 20010919 - EGELHOF FA OTTO [DE]  
• [X] US 6626000 B1 20030930 - MEYER JOHN JOSEPH [US], et al  
• [X] JP 2002071037 A 20020308 - SAGINOMIYA SEISAKUSHO INC  
• [X] JP 2001074321 A 20010323 - SAGINOMIYA SEISAKUSHO INC  
• [X] JP 2001116399 A 20010427 - ZEXEL VALEO CLIMATE CONTR CORP  
• [X] DE 19832479 A1 20000127 - BEHR GMBH & CO [DE]  
• [E] WO 2006079408 A1 20060803 - OTTO EGELHOF GMBH & CO KG [DE], et al  
• [PX] US 2005223740 A1 20051013 - BEN YAHIA MOHAMED [FR], et al  
• [A] US 2002124590 A1 20020912 - RUDICK ARTHUR G [US]  
• [A] US 2004139760 A1 20040722 - MANOLE DAN M [US]  
• [A] US 2618290 A 19521118 - VLIET PAUL D VAN  
• See references of WO 2006101570A1

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 2006101570 A1 20060928**; CN 101142451 A 20080312; EP 1875142 A1 20080109; EP 1875142 A4 20080514; JP 2008533431 A 20080821; US 2008184717 A1 20080807

DOCDB simple family (application)  
**US 2005047578 W 20051231**; CN 200580049148 A 20051231; EP 05856051 A 20051231; JP 2008501869 A 20051231; US 90861907 A 20070914