

Title (en)

HIGH SIDE PRESSURE REGULATION FOR TRANSCRITICAL VAPOR COMPRESSION

Title (de)

HOCHDRUCKREGELUNG FÜR TRANSKRITISCHE DAMPFKOMPRIMIERUNG

Title (fr)

REGULATION DE HAUTE PRESSION POUR COMPRESSION DE VAPEUR TRANSCRITIQUE

Publication

EP 1963760 A4 20110309 (EN)

Application

EP 05856008 A 20051230

Priority

- US 2005047528 W 20051230
- US 66396005 P 20050318

Abstract (en)

[origin: WO2006101566A1] An expensive expansion device may be eliminated in favor of a less expensive pressure regulator in a CO₂ vapor compression system such as is used in a bottle cooler or small-capacity air conditioner, refrigerator, or other system.

IPC 8 full level

F25B 41/00 (2006.01); **F25B 41/06** (2006.01); **F25B 49/00** (2006.01)

CPC (source: EP US)

F25B 9/008 (2013.01 - EP US); **F25B 41/385** (2021.01 - EP); **F25B 41/385** (2021.01 - US); **F25B 2309/061** (2013.01 - EP US); **F25B 2600/17** (2013.01 - EP US); **F25B 2700/1931** (2013.01 - EP US); **F25B 2700/21172** (2013.01 - EP US); **F25D 19/02** (2013.01 - EP US); **F25D 31/007** (2013.01 - EP US)

Citation (search report)

- [XY] EP 1462740 A2 20040929 - SANYO ELECTRIC CO [JP]
- [X] US 2003000235 A1 20030102 - DIENHART BERND [DE], et al
- [Y] EP 1357339 A2 20031029 - TGK CO LTD [JP]
- See references of WO 2006101566A1

Citation (examination)

JP 2004156823 A 20040603 - MATSUSHITA REFRIGERATION

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 2006101566 A1 20060928; CN 101142450 A 20080312; CN 101142450 B 20110622; EP 1963760 A1 20080903; EP 1963760 A4 20110309; HK 1118600 A1 20090213; JP 2008533428 A 20080821; US 2008202140 A1 20080828

DOCDB simple family (application)

US 2005047528 W 20051230; CN 200580049138 A 20051230; EP 05856008 A 20051230; HK 08109821 A 20080904; JP 2008501866 A 20051230; US 90862907 A 20070914