

Title (en)  
DUAL TEMPERATURE REFRIGERATION CIRCUIT

Title (de)  
ZWEITEMPERATURKÄLTEKREISLAUF

Title (fr)  
CIRCUIT DE REFRIGERATION A DEUX TEMPERATURES

Publication  
**EP 1957888 B1 20090812 (EN)**

Application  
**EP 05816391 A 20051104**

Priority  
US 2005040047 W 20051104

Abstract (en)  
[origin: US2008307805A1] Combined medium and low temperature refrigeration circuit for circulating a refrigerant in a predetermined flow direction includes, in flow direction, a heat-rejecting heat exchanger, a medium temperature refrigeration consumer, a medium pressure vapor separator having a vapor portion and a liquid portion connected to the medium temperature refrigeration consumer unit, a low temperature refrigeration consumer connected to the liquid portion of the medium pressure vapor separator, and a compressor unit having an inlet connected to the vapor portion of the medium pressure vapor separators and the low temperature refrigeration consumer.

IPC 8 full level  
**F25B 1/10** (2006.01); **F25B 5/04** (2006.01); **F25B 9/00** (2006.01)

CPC (source: EP US)  
**F25B 1/10** (2013.01 - EP US); **F25B 5/04** (2013.01 - EP US); **F25B 9/008** (2013.01 - EP US); **F25B 41/39** (2021.01 - EP); **F25B 41/39** (2021.01 - US); **F25B 2309/061** (2013.01 - EP US); **F25B 2400/075** (2013.01 - EP US); **F25B 2400/13** (2013.01 - EP US); **F25B 2400/22** (2013.01 - EP US); **F25B 2400/23** (2013.01 - EP US)

Cited by  
US11215386B2

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 2007053149 A1 20070510**; AT E439559 T1 20090815; CN 101351675 A 20090121; CN 101351675 B 20100526; DE 602005016028 D1 20090924; EP 1957888 A1 20080820; EP 1957888 B1 20090812; ES 2330128 T3 20091204; TW 200732610 A 20070901; US 2008307805 A1 20081218

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