

Title (en)

1,1,1,3,3,-PENTAFLUOROYBUTANE REFRIGERANT COMPOSITIONS COMPRISING FLUOROETHER AND USES THEREOF

Title (de)

1,1,1,3,3,-PENTAFLUORYBUTAN-KÜHLMITTEL MIT FLUORETHER UND DEREN VERWENDUNGEN

Title (fr)

COMPOSITIONS REFRIGERANTES A BASE DE 1,1,1,3,3,-PENTAFLUOROBUTANE COMPRENANT UN FLUOROETHER ET LEURS APPLICATIONS

Publication

EP 1704198 A2 20060927 (EN)

Application

EP 05705841 A 20050112

Priority

- US 2005001506 W 20050112
- US 53681904 P 20040114
- US 1433304 A 20041216

Abstract (en)

[origin: WO2005067556A2] Disclosed herein are 1,1,1,3,3-pentafluorobutane refrigerant or heat transfer fluid compositions further comprising fluoroether, which are useful in refrigerain or air conditioning apparatus or as heat transfer fluids. The compositions of the present invention are also useful in centrifugal compressor apparatus that employ two-stage compressors or single slab.single pass heat exchangers.

IPC 8 full level

C09K 5/00 (2006.01); **C09K 5/04** (2006.01)

CPC (source: EP KR)

C09K 5/00 (2013.01 - KR); **C09K 5/04** (2013.01 - KR); **C09K 5/045** (2013.01 - EP); **C09K 2205/112** (2013.01 - EP); **C09K 2205/22** (2013.01 - EP); **C09K 2205/24** (2013.01 - EP)

Citation (search report)

See references of WO 2005067556A2

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005067556 A2 20050728; WO 2005067556 A3 20051117; AR 049615 A1 20060823; AU 2005204953 A1 20050728; BR PI0506520 A 20070227; CA 2553431 A1 20050728; EP 1704198 A2 20060927; JP 2007517972 A 20070705; KR 20060122922 A 20061130; NO 20063646 L 20061004; RU 2006129285 A 20080220

DOCDB simple family (application)

US 2005001506 W 20050112; AR P050100139 A 20050114; AU 2005204953 A 20050112; BR PI0506520 A 20050112; CA 2553431 A 20050112; EP 05705841 A 20050112; JP 2006549682 A 20050112; KR 20067016227 A 20060811; NO 20063646 A 20060811; RU 2006129285 A 20050112