

Title (en)

REFRIGERATION WORKING FLUID COMPOSITIONS FOR USE IN RECOMPRESSION TYPE COOLING SYSTEMS

Title (de)

KÜHLARBEITSFLÜSSIGKEITZUSAMMENSETZUNGEN ZUR VERWENDUNG IN KOMPRESSIONSKÜHLSYSTEMEN

Title (fr)

COMPOSITIONS DE FLUIDES THERMODYNAMIQUES DE REFRIGERATION POUR SYSTEMES DE REFRIGERATION DU TYPE A RECOMPRESSION

Publication

EP 0804517 A1 19971105 (EN)

Application

EP 95940024 A 19951116

Priority

- US 9514963 W 19951116
- US 34096194 A 19941117

Abstract (en)

[origin: WO9719144A1] A refrigeration working fluid composition which is miscible or partially miscible at temperatures of less than 120 DEG C and which is immiscible at temperatures of at least about 120-180 DEG C, the refrigeration working fluid comprising: (i) about 65 to 95 weight % of a refrigerant, based on the total weight of the working fluid composition, the refrigerant comprising a blend of pentafluoroethane, 1,1,1-trifluoroethane, and 1,1,1,2-tetrafluoroethane, wherein the tetrafluoroethane is present in an amount of between about 0.5 to 10 weight %, based on the total weight of the refrigerant, and (ii) about 5 to 35 weight % of a polyol ester lubricant, based on the total weight of the working fluid composition.

IPC 1-7

C09K 5/04; **C10M 171/00**; **C10M 105/38**

IPC 8 full level

C09K 5/04 (2006.01); **C10M 105/38** (2006.01); **C10M 171/00** (2006.01)

CPC (source: EP)

C09K 5/045 (2013.01); **C10M 105/38** (2013.01); **C10M 171/008** (2013.01); **C09K 2205/22** (2013.01); **C10M 2207/281** (2013.01); **C10M 2207/282** (2013.01); **C10M 2207/283** (2013.01); **C10M 2207/286** (2013.01); **C10M 2211/022** (2013.01); **C10M 2211/06** (2013.01); **C10N 2040/00** (2013.01); **C10N 2040/30** (2013.01); **C10N 2040/32** (2013.01); **C10N 2040/34** (2013.01); **C10N 2040/36** (2013.01); **C10N 2040/38** (2020.05); **C10N 2040/40** (2020.05); **C10N 2040/42** (2020.05); **C10N 2040/44** (2020.05); **C10N 2040/50** (2020.05)

Citation (search report)

See references of WO 9719144A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 9719144 A1 19970529; AR 000158 A1 19970521; AU 4164296 A 19970611; BR 9509790 A 19971118; CA 2181387 A1 19960518; CN 1177371 A 19980325; EP 0804517 A1 19971105; IL 116043 A0 19960131; NZ 296904 A 19971219; ZA 959743 B 19970325

DOCDB simple family (application)

US 9514963 W 19951116; AR 33428595 A 19951117; AU 4164296 A 19951116; BR 9509790 A 19951116; CA 2181387 A 19951116; CN 95191673 A 19951116; EP 95940024 A 19951116; IL 11604395 A 19951117; NZ 29690495 A 19951116; ZA 959743 A 19951116