Title (en)

MULTI-REFRIGERANT COOLING SYSTEM WITH PROVISIONS FOR ADJUSTMENT OF REFRIGERANT COMPOSITION

Title (de)

KÜHLSYSTEM MIT MEHREREN KÜHLMITTELN UND VORRICHTUNGEN ZUR EINSTELLUNG EINER KÜHLMITTELZUSAMMENSETZUNG

Title (fr)

SYSTÈME DE REFROIDISSEMENT MULTI-RÉFRIGÉRANT AVEC AMÉNAGEMENTS POUR LE RÉGLAGE DE LA COMPOSITION DU RÉFRIGÉRANT

Publication

EP 2294343 A1 20110316 (EN)

Application

EP 09757553 A 20090603

Priority

- EP 2009056817 W 20090603
- US 5894708 P 20080605
- US 47456709 A 20090529

Abstract (en)

[origin: WO2009147172A1] A multi-refrigerant cooling system comprising a cooling circuit (100) for circulation of a refrigerant mixture. The cooling circuit comprises, i.a., one or more separator(s) (102, 103) configured to separate and withdraw a respective refrigerant fraction of the refrigerant mixture. Each separator is connected to a respective holding tank (201, 202). Each holding tank is further connected to the cooling circuit via a supply conduit (207), the supply conduit being configured to supply one or more refrigerant fraction(s) to the cooling circuit. Method for adjusting the composition of a refrigerant mixture of a multi-refrigerant cooling system. The method allows adjustment of the composition of the refrigerant mixture during operation of the multi-refrigerant cooling system.

IPC 8 full level

F25B 9/00 (2006.01)

CPC (source: EP KR US)

F25B 1/00 (2013.01 - KR); **F25B 9/00** (2013.01 - KR); **F25B 9/006** (2013.01 - EP US); **F25B 45/00** (2013.01 - EP US); **F25J 1/0027** (2013.01 - EP US); **F25J 1/0055** (2013.01 - EP US); **F25J 1/0212** (2013.01 - EP US); **F25J 1/0249** (2013.01 - EP US); F25B 2345/004 (2013.01 - EP US); F25J 2205/20 (2013.01 - EP US); F25J 2210/70 (2013.01 - EP US); F25J 2220/82 (2013.01 - EP US)

Citation (search report)

See references of WO 2009147172A1

Designated contracting state (EPC)

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AL BA RS

DOCDB simple family (publication)

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