

Title (en)

HEAT TRANSFER COMPOSITIONS, METHODS AND SYSTEMS

Title (de)

WÄRMETRANSFERZUSAMMENSETZUNGEN, VERFAHREN UND SYSTEME

Title (fr)

COMPOSITIONS, PROCÉDÉS ET SYSTÈMES DE TRANSFERT DE CHALEUR

Publication

EP 3692110 A4 20210707 (EN)

Application

EP 18864285 A 20181006

Priority

- US 201762569419 P 20171006
- US 201762593393 P 20171201
- US 2018054775 W 20181006

Abstract (en)

[origin: WO2019071241A2] The present invention relates to a refrigerant composition, including difluoromethane (HFC- 32), pentafluoroethane (HFC-125), and trifluoriodomethane (CF3I) for use in a heat exchange system, including air conditioning and refrigeration applications and in particular aspects to the use of such compositions as a replacement of the refrigerant R-410A for heating and cooling applications and to retrofitting heat exchange systems, including systems designed for use with R-410A.

IPC 8 full level

C09K 5/04 (2006.01)

CPC (source: CN EP KR)

C09K 5/044 (2013.01 - CN); **C09K 5/045** (2013.01 - EP KR); **F25B 1/005** (2013.01 - CN); **C09K 2205/122** (2013.01 - CN EP); **C09K 2205/22** (2013.01 - CN KR); **C09K 2205/40** (2013.01 - CN EP)

Citation (search report)

- [A] US 2010257881 A1 20101014 - PERTI DEEPAK [US]
- [A] JP H08277389 A 19961022 - MATSUSHITA ELECTRIC IND CO LTD

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2019071241 A2 20190411; **WO 2019071241 A3 20190606**; CA 3078552 A1 20190411; CN 111315843 A 20200619; CN 111315843 B 20220426; CN 114644904 A 20220621; EP 3692110 A2 20200812; EP 3692110 A4 20210707; JP 2020536994 A 2021217; JP 7274471 B2 20230516; KR 20200067841 A 20200612; MX 2020003479 A 20200720

DOCDB simple family (application)

US 2018054775 W 20181006; CA 3078552 A 20181006; CN 201880071675 A 20181006; CN 202210406923 A 20181006; EP 18864285 A 20181006; JP 2020519693 A 20181006; KR 20207009907 A 20181006; MX 2020003479 A 20181006