

Title (en)

HEAT TRANSFER COMPOSITIONS AND METHODS

Title (de)

WÄRMEÜBERTRAGUNGSZUSAMMENSETZUNGEN UND -VERFAHREN

Title (fr)

PROCÉDÉS ET COMPOSITIONS DE TRANSFERT DE CHALEUR

Publication

**EP 2705107 A4 20141015 (EN)**

Application

**EP 12779962 A 20120502**

Priority

- US 201113099218 A 20110502
- US 201261598056 P 20120213
- US 2012036056 W 20120502

Abstract (en)

[origin: WO2012151238A2] Compositions, methods and systems which comprise or utilize a multi-component mixture comprising: (a) from about 10% to about 35% by weight of HFC-32; (b) from about 10% to about 35% by weight of HFC-125; (c) from about 20% to about 50% by weight of HFO-1234ze, HFO-1234yf and combinations of these; (d) from about 15% to about 35% by weight of HFC-134a; and optionally (e) up to about 10% by weight of CF3I and up to about 5% by weight of HFCO-1233ze, with the weight percent being based on the total of the components (a) - (e) in the composition

IPC 8 full level

**C09K 5/04** (2006.01)

CPC (source: EP KR)

**C09K 5/04** (2013.01 - KR); **C09K 5/045** (2013.01 - EP); **C09K 2205/126** (2013.01 - EP); **C09K 2205/22** (2013.01 - EP); **C09K 2205/40** (2013.01 - EP)

Citation (search report)

- [X] WO 2010129920 A1 20101111 - HONEYWELL INT INC [US], et al
- See references of WO 2012151238A2

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 2012151238 A2 20121108; WO 2012151238 A3 20130228**; AU 2012250863 A1 20131114; BR 112013028071 A2 20200804; CA 2834894 A1 20121108; CN 103635558 A 20140312; EP 2705107 A2 20140312; EP 2705107 A4 20141015; JP 2014514423 A 20140619; KR 20140027362 A 20140306; MX 2013012673 A 20131202; RU 2013152876 A 20150610

DOCDB simple family (application)

**US 2012036056 W 20120502**; AU 2012250863 A 20120502; BR 112013028071 A 20120502; CA 2834894 A 20120502; CN 201280021647 A 20120502; EP 12779962 A 20120502; JP 2014509374 A 20120502; KR 20137031691 A 20120502; MX 2013012673 A 20120502; RU 2013152876 A 20120502