

Title (en)

NON-FLAMMABLE OR LOW-FLAMMABILITY COOLING MIXTURES, CHARACTERISED BY LOW RELATIVE VOLATILITY FOR TWO-PHASE HEAT-EXCHANGE SYSTEMS

Title (de)

NICHT ENTFLAMMBARE ODER SCHWER ENTFLAMMBARE KÜHLGEMISCHE, GEKENNZEICHNET DURCH NIEDRIGE RELATIVE FLÜCHTIGKEIT FÜR ZWEIFHASIGE WÄRMEAUSTAUSCHSYSTEME

Title (fr)

MÉLANGES RÉFRIGÉRANTS FAIBLEMENT INFLAMMABLES OU ININFLAMMABLES CARACTÉRISÉS PAR UNE FAIBLE VOLATILITE RELATIVE POUR LES SYSTÈMES D'ÉCHANGE THERMIQUE DIPHASIQUE

Publication

EP 3472256 B8 20201118 (FR)

Application

EP 17734803 A 20170615

Priority

- FR 1655577 A 20160616
- FR 2017051559 W 20170615

Abstract (en)

[origin: WO2017216492A1] The present invention relates to a cooling mixture comprising a fluorinated compound and a non-fluorinated compound, wherein the fluorinated compound is a hydrofluoroether and the non-fluorinated compound includes a carbonyl function, which has a flash point no lower than 23 °C and which is characterised by having low relative volatility. The present invention likewise relates to the use of such a mixture as a coolant in a heat-exchange device.

IPC 8 full level

C09K 5/04 (2006.01)

CPC (source: EP US)

C09K 5/04 (2013.01 - EP US); **C09K 5/044** (2013.01 - EP US); **F28D 15/04** (2013.01 - US); **C09K 2205/102** (2013.01 - US); **C09K 2205/104** (2013.01 - US); **C09K 2205/108** (2013.01 - US); **C09K 2205/112** (2013.01 - US); **C09K 2205/24** (2013.01 - US); **C09K 2205/32** (2013.01 - US)

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 2017216492 A1 20171221; EP 3472256 A1 20190424; EP 3472256 B1 20200819; EP 3472256 B8 20201118; FR 3052774 A1 20171222; FR 3052774 B1 20200131; US 10836940 B2 20201117; US 2019233699 A1 20190801

DOCDB simple family (application)

FR 2017051559 W 20170615; EP 17734803 A 20170615; FR 1655577 A 20160616; US 201716309659 A 20170615