

Title (en)
CLEANING COMPOSITION

Title (de)
REINIGUNGSMITTEL

Title (fr)
COMPOSITION DE NETTOYAGE

Publication
EP 2334779 A1 20110622 (FR)

Application
EP 09755953 A 20091002

Priority
• FR 2009051881 W 20091002
• FR 0856985 A 20081015

Abstract (en)
[origin: WO2010043796A1] The subject matter of the invention is a composition comprising (i) from 10% to 25% by weight of 1,1,1,3,3-pentafluorobutane, preferably from 16% to 24% by weight of 1,1,1,3,3-pentafluorobutane; (ii) from 62% to 70% by weight of trans-dichloroethylene, preferably from 63% to 68% by weight of trans-dichloroethylene; (iii) from 10% to 21% by weight of nonafluoromethoxybutane, preferably from 11% to 17% by weight of nonafluoromethoxybutane; and (iv) from 1% to 4% by weight of nonafluoroethoxybutane, preferably from 2% to 4% by weight of nonafluoroethoxybutane. The subject matter of the invention is also the use of said composition as a cleaning, solvent, degreasing, defluxing or drying agent.

IPC 8 full level
C11D 7/28 (2006.01); **C11D 7/50** (2006.01); **C23G 5/028** (2006.01)

CPC (source: EP US)
C11D 7/505 (2013.01 - EP US); **C11D 7/5059** (2013.01 - EP US); **C11D 7/5063** (2013.01 - EP US); **C23G 5/028** (2013.01 - EP US); **C23G 5/02806** (2013.01 - EP US); **C11D 7/28** (2013.01 - EP US)

Citation (search report)
See references of WO 2010043796A1

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
FR 2937049 A1 20100416; **FR 2937049 B1 20101119**; CN 102177231 A 20110907; CN 102177231 B 20130904; EP 2334779 A1 20110622; EP 2334779 B1 20130918; ES 2433576 T3 20131211; JP 2012505945 A 20120308; JP 5518878 B2 20140611; US 2011195890 A1 20110811; US 8053403 B2 20111108; WO 2010043796 A1 20100422

DOCDB simple family (application)
FR 0856985 A 20081015; CN 200980140080 A 20091002; EP 09755953 A 20091002; ES 09755953 T 20091002; FR 2009051881 W 20091002; JP 2011531534 A 20091002; US 200913122896 A 20091002