

Title (en)
METHOD FOR PRODUCING 2-CHLORO-3,3,3-TRIFLUOROPROPENE

Title (de)
VERFAHREN ZUR HERSTELLUNG VON 2-CHLOR-3,3,3-TRIFLUORPROPEN

Title (fr)
PROCEDE DE FABRICATION DU 2-CHLORO-3,3,3-TRIFLUOROPROPENE

Publication
EP 3408248 A1 20181205 (FR)

Application
EP 17706527 A 20170113

Priority
• FR 1650673 A 20160128
• FR 2017050079 W 20170113

Abstract (en)
[origin: WO2017129878A1] The invention relates to a method for producing 2-chloro-3,3,3-trifluoropropène (HCFO-1233xf) from at least one compound A selected from the group consisting of halopropane of formulae CX₃CHClCH₂X or CX₃CFCICH₃, or halopropenes of formula CQX₂CCNCH₂ and CX₂=CCICH₂X where X independently represents a fluorine or chlorine atom, characterised in that it comprises bringing said at least one compound A into contact with HF in a gaseous phase in the presence of a fluorination catalyst AlF₃ or fluorine-bearing alumina in order to form a gaseous flow B comprising 2-chloro-3,3,3-trifluoropropene (HCFO-1233xf) et 3,3,3-trifluoropropene (HFO-1243zf).

IPC 8 full level
C07C 17/20 (2006.01); **C07C 17/25** (2006.01); **C07C 21/18** (2006.01)

CPC (source: EP US)
B01J 27/125 (2013.01 - US); **C07C 17/206** (2013.01 - EP US); **C07C 17/25** (2013.01 - EP US)

Citation (search report)
See references of WO 2017129878A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2017129878 A1 20170803; CN 108473395 A 20180831; EP 3408248 A1 20181205; FR 3047240 A1 20170804; FR 3047240 B1 20190927; JP 2019504841 A 20190221; JP 6832940 B2 20210224; US 10487028 B2 20191126; US 2019031584 A1 20190131

DOCDB simple family (application)
FR 2017050079 W 20170113; CN 201780007281 A 20170113; EP 17706527 A 20170113; FR 1650673 A 20160128; JP 2018539299 A 20170113; US 201716071751 A 20170113