

Title (en)
PROCESS FOR THE MANUFACTURE OF HYDROCHLOROFLUOROOLEFINS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON HYDROCHLORFLUOROLEFINEN

Title (fr)
PROCÉDÉ DE FABRICATION D'HYDROCHLOROFLUOROLÉFINES

Publication
EP 3107883 A4 20170705 (EN)

Application
EP 15752266 A 20150128

Priority
• US 201414183828 A 20140219
• US 2015013204 W 20150128

Abstract (en)
[origin: WO2015126584A1] The disclosure provides a process for the manufacture of trans 1-chloro3,3,3-trifluoropropene (trans 1233zd) by fluorinating 1230za and/or 240fa to a cis/trans mixture of 1233zd, separating the trans isomer followed by an isomerization of cis 1233zd to trans 1233zd in the fluorination step. The fluorination step is carried out in the gas phase or the liquid phase. The isomerization is carried out in the gas phase with a high surface area heterogeneous Cr catalyst, supported or unsupported.

IPC 8 full level
C07C 17/358 (2006.01); **C07C 17/013** (2006.01); **C07C 17/269** (2006.01)

CPC (source: EP KR)
B01J 21/04 (2013.01 - KR); **B01J 21/063** (2013.01 - KR); **B01J 31/12** (2013.01 - KR); **C07C 17/10** (2013.01 - EP KR); **C07C 17/20** (2013.01 - EP); **C07C 17/206** (2013.01 - EP KR); **C07C 17/23** (2013.01 - EP KR); **C07C 17/25** (2013.01 - EP KR); **C07C 17/266** (2013.01 - EP KR); **C07C 17/269** (2013.01 - EP KR); **C07C 17/358** (2013.01 - EP KR); **C07C 19/01** (2013.01 - KR)

Citation (search report)
• [XY] US 2011218370 A1 20110908 - ELSHEIKH MAHER Y [US], et al
• [Y] US 2005256348 A1 20051117 - WILMET VINCENT [BE], et al
• [Y] FR 2989374 A1 20131018 - ARKEMA FRANCE [FR]
• See references of WO 2015126584A1

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 2015126584 A1 20150827; BR 112016019246 A2 20171010; CA 2940149 A1 20150827; CA 2940149 C 20220621; CN 106061929 A 20161026; EP 3107883 A1 20161228; EP 3107883 A4 20170705; JP 2017509606 A 20170406; KR 102354556 B1 20220125; KR 20160122745 A 20161024; MX 2016010693 A 20161123

DOCDB simple family (application)
US 2015013204 W 20150128; BR 112016019246 A 20150128; CA 2940149 A 20150128; CN 201580009258 A 20150128; EP 15752266 A 20150128; JP 2016552956 A 20150128; KR 20167022720 A 20150128; MX 2016010693 A 20150128