

Title (en)
PROCESS FOR THE MANUFACTURE OF HYDROCHLOROFLUOROOLEFINS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON HYDROCHLORFLUOROLEFINEN

Title (fr)
PROCÉDÉ DE PRODUCTION D'HYDROCHLOROFLUOROLÉFINES

Publication
EP 3099655 A4 20170607 (EN)

Application
EP 15743421 A 20150128

Priority
• US 201414167150 A 20140129
• US 2015013202 W 20150128

Abstract (en)
[origin: WO2015116629A1] 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)

CPC (source: EP KR)
C07C 17/206 (2013.01 - EP KR); **C07C 17/358** (2013.01 - EP KR); **C07C 21/18** (2013.01 - KR)

Citation (search report)
• [XDI] US 2011201853 A1 20110818 - TUNG HSUEH S [US], et al
• See references of WO 2015116629A1

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 2015116629 A1 20150806; CA 2938370 A1 20150806; CA 2938370 C 20220712; CN 105939986 A 20160914; CN 105939986 B 20181120; EP 3099655 A1 20161207; EP 3099655 A4 20170607; JP 2017507121 A 20170316; KR 20160113669 A 20160930; MX 2016009803 A 20161114

DOCDB simple family (application)
US 2015013202 W 20150128; CA 2938370 A 20150128; CN 201580006311 A 20150128; EP 15743421 A 20150128; JP 2016549084 A 20150128; KR 20167023301 A 20150128; MX 2016009803 A 20150128