

Title (en)
METHOD FOR THE SELECTIVE HYDROGENATION OF POLYUNSATURATED HYDROCARBONS IN OLEFIN-CONTAINING HYDROCARBON MIXTURES

Title (de)
VERFAHREN ZUR SELEKTIVEN HYDRIERUNG VON MEHRFACH UNGESÄTTIGTEN KOHLENWASSERSTOFFEN IN OLEFINHALTIGEN KOHLENWASSERSTOFFGEMISCHEN

Title (fr)
PROCÉDÉ D'HYDROGÉNATION SÉLECTIVE D'HYDROCARBURES POLYINSATURÉS DANS DES MÉLANGES D'HYDROCARBURES CONTENANT DES OLÉFINES

Publication
EP 2590913 A1 20130515 (DE)

Application
EP 11728795 A 20110609

Priority
• DE 102010030990 A 20100706
• EP 2011059601 W 20110609

Abstract (en)
[origin: WO2012004081A1] The invention relates to a method for the parallel selective hydrogenation of unbranched, polyunsaturated C4-hydrocarbons and branched, polyunsaturated C5-hydrocarbons in hydrocarbon mixtures while minimizing hydrogenation and isomerization of the olefins present in the flow.

IPC 8 full level
C07C 7/163 (2006.01); **C10G 45/32** (2006.01)

CPC (source: EP KR US)
B01J 23/44 (2013.01 - KR); **C07C 5/05** (2013.01 - US); **C07C 7/163** (2013.01 - EP KR US); **C10G 45/32** (2013.01 - EP KR US); **C10G 45/40** (2013.01 - EP US); **C07C 2523/44** (2013.01 - EP US)

Citation (search report)
See references of WO 2012004081A1

Cited by
EP3680224A1; US11952340B2

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)
DE 102010030990 A1 20120112; BR 112013000225 A2 20190924; CN 103052613 A 20130417; CN 103052613 B 20160120; EP 2590913 A1 20130515; JP 2013535409 A 20130912; JP 5774100 B2 20150902; KR 20130087484 A 20130806; MY 160581 A 20170315; SG 186919 A1 20130228; US 2013172641 A1 20130704; US 8859834 B2 20141014; WO 2012004081 A1 20120112

DOCDB simple family (application)
DE 102010030990 A 20100706; BR 112013000225 A 20110609; CN 201180033117 A 20110609; EP 11728795 A 20110609; EP 2011059601 W 20110609; JP 2013517146 A 20110609; KR 20137000226 A 20110609; MY PI2013000028 A 20110609; SG 2013000534 A 20110609; US 201113808010 A 20110609