

Title (en)

PROCESSES FOR MAKING MULTIMODAL MOLECULAR WEIGHT DISTRIBUTION POLYOLEFINS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON POLYOLEFINEN MIT MULTIMODALER MOLEKULARGEWICHTSVERTEILUNG

Title (fr)

PROCÉDÉS DE PRODUCTION DE POLYOLÉFINES AYANT UNE DISTRIBUTION DES POIDS MOLÉCULAIRES MULTIMODALE

Publication

**EP 2640757 A2 20130925 (EN)**

Application

**EP 11841727 A 20111026**

Priority

- US 95050110 A 20101119
- EP 10196508 A 20101222
- US 2011057832 W 20111026
- EP 11841727 A 20111026

Abstract (en)

[origin: WO2012067777A2] This invention relates to a process to make a multimodal polyolefin composition comprising: (i) contacting at least one first olefin monomer with a mixed catalyst system, under polymerization conditions, to produce at least a first polyolefin component having a Mw of 5,000 g/mol to 600,000 g/mol, wherein the mixed catalyst system comprises: (a) at least one polymerization catalyst comprising a Group 4 or Group 5 transition metal; (b) at least one organochromium polymerization catalyst; (c) an activator; and (d) a support material; (ii) thereafter, contacting the first polyolefin component/mixed catalyst system combination with a molecular switch; (iii) contacting the first polyolefin component/mixed catalyst system combination with at least one second olefin monomer, which may be the same or different, under polymerization conditions; and (iv) obtaining a multimodal polyolefin composition.

IPC 8 full level

**C08F 10/00** (2006.01); **C08F 4/6392** (2006.01); **C08F 4/659** (2006.01); **C08F 4/69** (2006.01); **C08F 110/02** (2006.01)

CPC (source: EP)

**C08F 10/00** (2013.01); **C08F 4/63925** (2013.01); **C08F 4/65912** (2013.01); **C08F 4/65916** (2013.01); **C08F 4/65925** (2013.01); **C08F 110/02** (2013.01)

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 2012067777 A2 20120524**; **WO 2012067777 A3 20120712**; BR 112013002457 A2 20170321; BR 112013002457 B1 20220426; CN 103052655 A 20130417; CN 103052655 B 20150513; EP 2640757 A2 20130925; EP 2640757 A4 20140730; MY 165619 A 20180418; RU 2013122566 A 20141127; RU 2579518 C2 20160410

DOCDB simple family (application)

**US 2011057832 W 20111026**; BR 112013002457 A 20111026; CN 201180037911 A 20111026; EP 11841727 A 20111026; MY PI2013700161 A 20111026; RU 2013122566 A 20111026