

Title (en)

A NOVEL CLASS OF OLEFIN METATHESIS CATALYSTS, METHODS OF PREPARATION, AND PROCESSES FOR THE USE THEREOF

Title (de)

NEUE KLASSE VON OLEFIN-METATHESE-KATALYSATOREN, HERSTELLUNGSVERFAHREN DAFÜR UND VERFAHREN ZU IHRER VERWENDUNG

Title (fr)

NOUVELLE CLASSE DE CATALYSEURS DE MÉTATHÈSE D'OLÉFINES, MÉTHODES DE PRÉPARATION, ET PROCÉDÉS D'UTILISATION

Publication

EP 2618930 A2 20130731 (EN)

Application

EP 11827288 A 20110919

Priority

- US 89031510 A 20100924
- EP 10194264 A 20101209
- US 2011052109 W 20110919
- EP 11827288 A 20110919

Abstract (en)

[origin: WO2012040088A2] This invention relates to a metathesis catalyst comprising (i) a Group 8 metal hydride- dihydrogen complex represented by the formula (I); wherein M is a Group 8 metal; X is an anionic ligand; and L1 and L2 are neutral donor ligands; and (ii) a ligand exchange agent represented by the formula J-Y, wherein J is selected from the group consisting of hydrogen, a C1 to C30 hydrocarbyl, and a C1 to C30 substituted hydrocarbyl; and Y is selected from the group consisting of halides, alkoxides, aryloxides, and alkyl sulfonates.

IPC 8 full level

B01J 31/22 (2006.01); **B01J 31/24** (2006.01)

CPC (source: EP)

B01J 23/462 (2013.01); **B01J 23/466** (2013.01); **B01J 31/121** (2013.01); **B01J 31/2286** (2013.01); **B01J 31/2404** (2013.01); **C07C 6/04** (2013.01); **C07F 15/002** (2013.01); **C07F 15/0046** (2013.01); **C08G 61/08** (2013.01); **B01J 2231/543** (2013.01); **B01J 2531/821** (2013.01); **B01J 2531/825** (2013.01); **C07C 2531/22** (2013.01); **C07C 2601/10** (2017.04); **C08G 2261/3324** (2013.01); **C08G 2261/3325** (2013.01); **C08G 2261/418** (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 2012040088 A2 20120329; **WO 2012040088 A3 20120614**; CN 103079699 A 20130501; CN 103079699 B 20150708; EP 2618930 A2 20130731; EP 2618930 A4 20140402

DOCDB simple family (application)

US 2011052109 W 20110919; CN 201180041259 A 20110919; EP 11827288 A 20110919