

Title (en)  
METHOD OF OLEFIN METATHESIS USING A CATALYST BASED ON A SPHERICAL MATERIAL COMPRISING OXIDISED METAL PARTICLES TRAPPED IN A MESOSTRUCTURED MATRIX

Title (de)  
VERFAHREN ZUR OLEFINMETATHESE UNTER VERWENDUNG EINES KATALYSATORS AUF DER BASIS EINES KUGELFÖRMIGEN MATERIALS MIT IN EINER MESOSTRUKTURIERTEN MATRIX EINGESCHLOSSENEN OXIDIERTEN METALLPARTIKELN

Title (fr)  
PROCÉDÉ DE MÉTATHÈSE DES OLÉFINES UTILISANT UN CATALYSEUR A BASE D'UN MATÉRIAU SPHÉRIQUE COMPRENANT DES PARTICULES MÉTALLIQUES OXYDES PIÉGÉES DANS UNE MATRICE MÉSOSTRUCTURÉE

Publication  
**EP 2739594 A1 20140611 (FR)**

Application  
**EP 12748729 A 20120711**

Priority  
• FR 1102221 A 20110715  
• FR 2012000285 W 20120711

Abstract (en)  
[origin: WO2013011209A1] This invention concerns a method of olefin metathesis comprising the exposure of said olefins to a catalyst previously activated by heating to a temperature of between 100 and 1000°C in a non-reducing gas atmosphere, said catalyst comprising at least one inorganic material comprising at least two spherical elementary particles, each of said spherical elementary particles comprising oxidised metal particles at most 300 nm in size and containing at least one metal chosen from tungsten, molybdenum, rhenium, cobalt, tin, ruthenium, iron and titanium either taken alone or in a mixture, said oxidised metal particles being present in a mesostructured matrix on the basis of the oxide of at least one element Y chosen from silicon, aluminium, titanium, tungsten, zirconium, gallium, germanium, tin, antimony, lead, vanadium, iron, manganese, hafnium, niobium, tantalum, yttrium, cerium, gadolinium, europium and neodymium and the mixture of at least two of these elements, said mesostructured matrix having a pore size of between 1.5 and 50 nm and having amorphous walls of a thickness of between 1 and 30 nm and said spherical elementary particles having a maximum diameter of 200 μm.

IPC 8 full level  
**B01J 27/19** (2006.01); **C07C 6/04** (2006.01); **B01J 29/04** (2006.01); **B01J 35/10** (2006.01); **B01J 37/03** (2006.01); **C07C 11/02** (2006.01); **C07C 11/06** (2006.01)

CPC (source: EP US)  
**B01J 27/19** (2013.01 - EP US); **B01J 29/045** (2013.01 - EP US); **B01J 35/615** (2024.01 - EP US); **B01J 35/633** (2024.01 - EP US); **B01J 35/647** (2024.01 - EP US); **B01J 37/033** (2013.01 - EP US); **C07C 6/04** (2013.01 - EP US); **C07C 11/02** (2013.01 - EP US); **C07C 11/06** (2013.01 - EP US); **C07C 2521/06** (2013.01 - EP US); **C07C 2521/12** (2013.01 - EP US); **C07C 2523/14** (2013.01 - EP US); **C07C 2523/16** (2013.01 - EP US); **C07C 2523/28** (2013.01 - EP US); **C07C 2523/30** (2013.01 - EP US); **C07C 2523/36** (2013.01 - EP US); **C07C 2523/46** (2013.01 - EP US); **C07C 2523/745** (2013.01 - EP US); **C07C 2523/75** (2013.01 - EP US); **Y02P 20/52** (2015.11 - EP US)

C-Set (source: EP US)  
1. **C07C 6/04 + C07C 11/06**  
2. **C07C 6/04 + C07C 11/02**

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)  
**FR 2977890 A1 20130118**; **FR 2977890 B1 20130719**; CA 2840530 A1 20130124; CN 103857647 A 20140611; CN 103857647 B 20150923; EP 2739594 A1 20140611; US 2014179973 A1 20140626; WO 2013011209 A1 20130124

DOCDB simple family (application)  
**FR 1102221 A 20110715**; CA 2840530 A 20120711; CN 201280035137 A 20120711; EP 12748729 A 20120711; FR 2012000285 W 20120711; US 201214232313 A 20120711