Title (en)

STERICALLY HINDERED METALLOCENES, SYNTHESIS AND USE

Title (de)

STERISCH GEHINDERTE METALLOCENE, SYNTHESE UND VERWENDUNG

Title (fr)

MÉTALLOCÈNES À ENCOMBREMENT STÉRIQUE, SYNTHÈSE ET UTILISATION

Publication

EP 3523337 A1 20190814 (EN)

Application

EP 17858882 A 20170915

Priority

- US 201662404570 P 20161005
- EP 16200207 A 20161123
- US 2017051790 W 20170915

Abstract (en)

[origin: CN109790240A] In at least one embodiment, a catalyst compound is represented by Formula (I): where M is a group 4 metal. Each of R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, and R14 is independently hydrogen, or a linear or branched C1-C50 substituted or unsubstituted hydrocarbyl, halocarbyl or silylcarbyl. At least one of R1 and R3 is not hydrogen. Each X is independently a halide or C1-C50 substituted or unsubstituted hydrocarbyl, hydride, amide, alkoxide, sulfide, phosphide, halide, diene, amine, phosphine, ether, or a combination thereof, or two Xs are joined together to form a metallocycle ring, or two Xs are joined to form a chelating ligand, a diene ligand, or an alkylidene.

IPC 8 full level

C08F 4/6592 (2006.01); **C08F 2/38** (2006.01); **C08F 4/52** (2006.01); **C08F 4/642** (2006.01); **C08F 4/649** (2006.01)

CPC (source: EP)

C08F 4/65912 (2013.01); C08F 4/65916 (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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

CN 109790240 A 20190521; EP 3523337 A1 20190814; EP 3523337 A4 20200805; SG 11201901900S A 20190429

DOCDB simple family (application)

CN 201780061376 A 20170915; EP 17858882 A 20170915; SG 11201901900S A 20170915