

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'OLÉFINE, PROCÉDÉS DE PRÉPARATION ET PROCÉDÉS POUR L'UTILISATION DE CELLE-CI

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Abstract (en)

[origin: WO2012166259A2] This invention relates to a metathesis catalyst comprising a Group 8 metal complex represented by the formula: (I) wherein: M is a Group 8 metal; each X is independently an anionic ligand; R1 and R2 are independently selected from the group consisting of hydrogen, a C1 to C30 hydrocarbyl, and a C1 to C30 substituted hydrocarbyl; R3 and R4 are independently selected from the group consisting of hydrogen, C1 to C12 hydrocarbyl groups, substituted C1 to C12 hydrocarbyl groups, and halides; and L is a neutral donor ligand. This invention also relates to processes for performing a metathesis reaction, in particular ring opening cross metathesis reactions and ring opening metathesis polymerization reactions, using the Group 8 metal complexes.

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