

Title (en)
METATHESIS CATALYST AND PROCESS FOR USE THEREOF

Title (de)
METATHESEKATALYSATOR UND VERFAHREN ZU SINDER VERWENDUNG

Title (fr)
CATALYSEUR DE MÉTATHÈSE ET PROCÉDÉ D'UTILISATION ASSOCIÉ

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Application
EP 10845952 A 20101209

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Abstract (en)
[origin: WO2011100022A2] This invention relates to a catalyst compound for the metathesis of olefins represented by the formula (I): wherein M is a Group 8 metal; X and X1 are anionic ligands; L is a neutral two electron donor; L1 is N, O, P, or S, preferably N or O; R is a C1 to C30 hydrocarbyl or a C1 to C30 substituted hydrocarbyl; G* is selected from the group consisting of hydrogen, a C1 to C30 hydrocarbyl, and a C1 to C30 substituted hydrocarbyl; R1 is selected from the group consisting of hydrogen, a C1 to C30 hydrocarbyl, and a C1 to C30 substituted hydrocarbyl; and G is independently selected from the group consisting of hydrogen, halogen, C1 to C30 hydrocarbyls and C1 to C30 substituted hydrocarbyls. This invention also relates to process to make alphaolefins comprising contacting an olefin, such as ethylene, with a feed oil containing a triacylglyceride (typically a fatty acid ester (such as methyl oleate)) with the catalyst compound described above. The fatty acid ester may be a fatty acid methyl ester derived from biodiesel.

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Citation (search report)

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- See references of WO 2011100022A2

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