

Title (en)

CATALYST COMPOUNDS WITH BETA-DIIMINATE ANIONIC LIGANDS AND PROCESSES FOR POLYMERIZING OLEFINS

Title (de)

KATALYSATORVERBINDUNGEN MIT BETA-DIIMINAT LIGAND UNG VERFAHREN ZUR OLEFINPOLYMERISATION

Title (fr)

COMPOSES DE CATALYSEUR AVEC LIGANDS ANIONIQUES BETA-DIIMINATE, ET PROCEDES DE POLYMERISATION D'OLEFINES

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Application

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Abstract (en)

[origin: WO9941290A1] The present invention relates to catalyst systems, processes for making such catalysts, intermediates for such catalysts, and olefin polymerization processes using such catalysts wherein such catalyst includes a component represented by formula (I), optionally (a), wherein, R and R' independently represent a hydrogen atom, or a substituted or unsubstituted, branched or unbranched hydrocarbyl or organosilyl radical; R<1>, R<2> and R<3> independently represent a hydrogen atom, or a substituted or unsubstituted, branched or unbranched hydrocarbyl radical; and M is a group IIIB, IVB, VB, VIIB or VIII transition metal; T independently represents a univalent anionic ligand such as a hydrogen atom, or a substituted or unsubstituted hydrocarbyl, halogeno, aryloxy, arylorganosilyl, alkylorganosilyl, amido, arylamido, phosphido, or arylphosphido group, or two T groups taken together represent an alkylidene or a cyclometallated hydrocarbyl bidentate ligand; L independently represents a sigma donor stabilizing ligand; X, which is optional, represents a relatively weakly coordinated anion; and a = 0 to 4 inclusive, b = 0 to 4 inclusive, provided a+b<=4.

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