

Title (en)
NEW METALLOCENE COMPOUNDS, CATALYSTS COMPRISING THEM, PROCESS FOR PRODUCING AN OLEFIN POLYMER BY USE OF THE CATALYSTS, AND OLEFIN HOMO- AND COPOLYMERS

Title (de)
NEUE METALLOCENVERBINDUNGEN, KATALYSATOREN DAMIT, VERFAHREN ZUR HERSTELLUNG EINES OLEFINPOLYMERS DURCH VERWENDUNG DER KATALYSATOREN UND OLEFINHOMOPOLYMERE UND -COPOLYMERE

Title (fr)
NOUVEAUX COMPOSÉS DE MÉTALLOCÈNE, CATALYSEURS COMPRENANT CEUX-CI, PROCÉDÉ POUR PRODUIRE UN POLYMÈRE D'OLÉFINE PAR UTILISATION DES CATALYSEURS, ET HOMO- ET COPOLYMÈRES D'OLÉFINE

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Application
EP 08876396 A 20081231

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Abstract (en)
[origin: WO2010077230A1] Certain metallocene compounds are provided that, when used as a component in a supported polymerization catalyst under industrially relevant polymerization conditions, afford high molar mass homo polymers or copolymers like polypropylene or propylene/ethylene copolymers without the need for any α -branched substituent in either of the two available 2-positions of the indenyl ligands. The substituent in the 2-position of one indenyl ligand can be any radical comprising hydrogen, methyl, or any other C2-C40 hydrocarbon which is not branched in the α -position, and the substituent in the 2-position of the other indenyl ligand can be any C5-C40 hydrocarbon radical with the proviso that this hydrocarbon radical is branched in the β -position and that the β -carbon atom is a quaternary carbon atom and part of a mono-cyclic hydrocarbon system. This metallocene topology affords high melting point, very high molar mass homo polypropylene and very high molar mass propylene-based copolymers. Furthermore, the activity/productivity levels of catalysts comprising the metallocenes of the present invention are exceptionally high.

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Citation (search report)
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