

Title (en)

OLEFIN POLYMERIZATION CATALYST SYSTEM, POLYMERIZATION PROCESS AND POLYMER THEREFROM

Title (de)

KATALYSATORSYSTEM FÜR OLEFINPOLYMERIZATION, POLYMERIZATIONSVERFAHREN UND POLYMER DAVON

Title (fr)

SYSTEME CATALYTIQUE DE POLYMERISATION D'OLEFINE, PROCEDE DE POLYMERISATION ET POLYMERE AINSI OBTENU

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Application

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Abstract (en)

[origin: WO0037511A2] This invention relates to an olefin polymerization catalyst system comprising at least one activator and one of: a) at least two transition metal catalysts based on bidentate ligands containing pyridine or quinoline moieties, as described below as represented by formula (I), (II), (III) or (IV); b) the product of the combination of an activator and a transition metal catalyst based on bidentate ligands containing pyridine or quinolines moieties, such as those described as represented by formula (III) or (IV), that has been allowed to react prior to the introduction into the reactor, preferably for at least 15 minutes, and/or c) the product of combination of an additive and a transition metal catalyst based on bidentate ligands containing pyridine or quinoline moieties, such as those described below as represented by formula (I) or (II). This invention further relates to a polymer produced therefrom, particularly to unique polyethylene resins, more preferably bimodal high density polyethylene resins produced by this invention.

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