

Title (en)

METHOD FOR (CO)POLYMERIZING POLAR AND NON-POLAR MONOMERS

Title (de)

VERFAHREN ZUR (CO)POLYMERISATION VON POLAREN UND UNPOLAREN MONOMEREN

Title (fr)

PROCEDE DE (CO)POLYMERISATION DE MONOMERES POLAIRES ET HOMOPOLAIRES

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Application

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Abstract (en)

[origin: WO0142314A1] The invention relates to a method for carrying out the transition metal-catalyzed production of polymers having a syndiotactic or predominantly syndiotactic structure from vinyl aromatic monomers. The invention also relates to a method for producing block copolymers from vinyl aromatic monomers and from olefinically unsaturated polar monomers. According to the invention, transition metal compounds of general formula (I) are used in which the substituents and indices have the following meanings: M represents scandium, yttrium, lanthanum or a lanthanoid metal; R^m represents pi -C3 to C20 alkyl; L represents a low-molecular, Lewis-basic organic compound, whereby n1 and n2 = 0 or n1 = 0 and n2 = 1 or n1 = 1 and n2 = 0, and; m represents 1 or 2.

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