

ABSTRACT

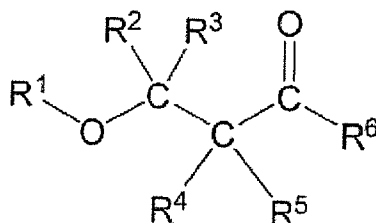
PROCESS FOR PRODUCING SOLID CATALYST COMPONENT FOR OLEFIN POLYMERIZATION

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The present invention aims at providing a process for producing a solid catalyst for olefin polymerization, the solid catalyst component being capable of providing a polymer having high stereoregularity when an α -olefin is polymerized; a process for producing a solid catalyst component, which is used for producing the solid catalyst; and a process for producing an olefin polymer using the solid catalyst. This object can be achieved by a process for producing a solid catalyst component (A), the process including a step of bringing a titanium compound (a), a magnesium compound (b) and an internal electron donor represented by Formula (I) into contact with each other:

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(I)

where R^1 is a hydrocarbyl group having 1 to 20 carbon atoms; R^2 , R^3 , R^4 , and R^5 are each independently selected from a hydrogen atom, a halogen atom and a hydrocarbyl group having 1 to 20 carbon atoms, and at least one selected from R^2 , R^3 , R^4 , and R^5 is a hydrocarbyl group having 1 to 20 carbon atoms; and R^6 is a halogen atom.

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