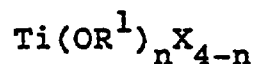




ABSTRACT

PROCESS FOR PRODUCING SOLID CATALYST FOR USE IN
POLYMERIZATION OF OLEFINS

A process for producing a trivalent titanium compound-containing solid catalyst for use in the polymerization of olefins which comprises treating, with an ester compound, a solid product obtained by reducing a titanium compound represented by the following general formula:



(R^1 represents hydrocarbon group having 1 to 20 carbon atoms, X represents halogen atom, and n represents a number satisfying $0 < n \leq 4$) with an organomagnesium compound in the presence of an organic silicon compound having Si-O bond(s), and thereafter treating it with a mixture of an ester compound and titanium tetrachloride.

(Figure 1)