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(54) **Solid catalyst component for olefin polymerization, catalyst for olefin polymerization and process for producing olefin polymer**

(57) A solid catalyst component for olefin polymerization, which is a reaction product obtained by reacting the following compounds (a3) to (c3-1) or the following compounds (a3) to (d3) at a temperature between 120°C and 150°C, washing the reaction mixture with an inert solvent, further reacting the reaction mixture with the following halogen-containing titanium compound (a3) at least once at a temperature between 120°C and 150°C, and washing the reaction mixture with an inert solvent,

(a3) a halogen-containing titanium compound,
(b3) an alkoxy-group-containing magnesium compound,
(c3-1) a halogen-containing silicon compound in which the molar ratio of halogen to the alkoxy group of the alkoxy-group-containing magnesium compound (b3) is 0.50 or more,
(d3) an electron-donating compound.

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EUROPEAN SEARCH REPORT

Application Number
EP 09 16 6338

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3	Place of search The Hague	Date of completion of the search 22 January 2010	Examiner Fischer, Brigitte
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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ANNEX TO THE EUROPEAN SEARCH REPORT
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