

Title (en)
TITANIUM TRICHLORIDE COMPOSITIONS, PREPARATION THEREOF, CATALYST SYSTEM CONTAINING THEM AND POLYMERISATION OF OLEFINS USING THIS SYSTEM

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Application
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Abstract (en)
[origin: EP0000998A1] A titanium trichloride composition has the formula: $\text{TiCl}_3(\text{AlR}_x\text{X}_{3-x})_n\text{EaLb}$ where E is an ether or thioether; L is an organic sulphur-containing compound; and a and b are each greater than 0.001 and not more than 0.50. The composition has a low surface area, typically less than 50 m^2/g . The composition can be prepared by reacting titanium tetrachloride with an organoaluminium compound, optionally heating the reaction product, contacting the reaction product at an elevated temperature with at least E, and preferably L and washing the product. In the composition, E is conveniently di-n-butyl ether or di-isoamyl ether and L can be phenoxathiin or diphenyl sulphone. The composition can be used as a component of a catalyst for the polymerisation of olefine monomers such as propylene.

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