Title (en)

SYNTHESIS OF TITANOCENES

Title (de)

TITANOCENSYNTHESE

Title (fr)

SYNTHESE DE TITANOCENES

Publication

EP 0885231 A4 20000209 (EN)

Application

EP 96942783 A 19961122

Priority

- CA 2243661 A 19961122
- US 9618666 W 19961122

Abstract (en)

[origin: WO9822476A1] A method for the preparation of titanium-containing metallocene compounds, including constrained geometry titanium complexes, useful as olefin polymerization catalysts is disclosed. Pursuant to the invention, titanium tetrachloride is converted to titanium trichloride by reaction with a metal compound in a non-interfering solvent to produce a mixture useful directly for reaction with a deprotonated metallocene ligand. The titanocene compounds produced pursuant to the invention are free of trace amounts of aluminum which can adversely affect the polymerization reaction.

IPC 1-7

C07F 17/00; C07F 7/00; C07F 7/28; C08F 4/642; C08F 4/643; B01J 31/00

IPC 8 full level

B01J 31/22 (2006.01); **C07F 17/00** (2006.01); **C08F 4/642** (2006.01); **C08F 4/643** (2006.01)

CPC (source: EP)

B01J 31/1608 (2013.01); **B01J 31/181** (2013.01); **B01J 31/2295** (2013.01); **C07F 17/00** (2013.01); B01J 31/122 (2013.01); B01J 31/38 (2013.01); B01J 2531/46 (2013.01)

Citation (search report)

- [Y] EP 0639579 A2 19950222 - ALBEMARLE CORP [US]
- [XY] MACH, KAREL ET AL: "Effects of methyl substituents at the cyclopentadienyl ligand on the properties of C5H5TiCl3 and C5H5TiAl2Cl8-x(C2H5)x (x = 0-4) complexes", J. ORGANOMET. CHEM. (1987), 333(2), 205-15, XP002121361
- See references of WO 9822476A1

Designated contracting state (EPC)

BE CH DE DK FR GB IT LI NL

DOCDB simple family (publication)

WO 9822476 A1 19980528; CA 2243661 A1 19980528; EP 0885231 A1 19981223; EP 0885231 A4 20000209

DOCDB simple family (application)

US 9618666 W 19961122; CA 2243661 A 19961122; EP 96942783 A 19961122