

Title (en)  
METALLOCENE PURIFICATION PROCESS

Title (de)  
VERFAHREN ZUR REINIGUNG VON METALLOCENEN

Title (fr)  
PROCEDE DE PURIFICATION POUR ALLIAGES ORGANOMETALLIQUES

Publication  
**EP 1071690 A1 20010131 (EN)**

Application  
**EP 99911388 A 19990311**

Priority  
• US 9905539 W 19990311  
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Abstract (en)  
[origin: WO9952919A1] Group 4 metallocenes are separated from hydrocarbonaceous tarry material typically formed during their synthesis. This is done by mixing polar organic solvent and non-polar organic solvent with the impure mixture, these solvents being substantially incompatible with each other (e.g., acetonitrile and hexanes), so that after the mixing there are formed at least two separate phases comprising (i) a polar phase comprising mostly metallocene and the polar solvent, and (ii) a non-polar phase comprising mostly non-polar organic solvent and hydrocarbonaceous tarry material, and some metallocene. After separating these phases the non-polar phase is extracted with fresh polar organic solvent to form another polar phase comprising mainly metallocene and polar organic solvent. The metallocene can then be recovered from the polar phases, for example by distillation.

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**C07F 17/00**

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