

Title (en)  
PROCESS FOR THE PRODUCTION OF FUNCTIONAL POLYOLEFINS

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON FUNKTIONALISIERTEN POLYOLEFINEN

Title (fr)  
PROCEDE DE PRODUCTION DE POLYOLEFINES FONCTIONNELLES

Publication  
**EP 0896596 A1 19990217 (EN)**

Application  
**EP 97918423 A 19970501**

Priority  

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Abstract (en)  
[origin: WO9742236A1] The present process produces functionalized polyolefins by copolymerizing at least one polar monomer and at least one olefin under effective copolymerization conditions using a catalyst system containing a transition metal complex and a cocatalyst. The at least one olefin can be the predominate monomer forming the functionalized polyolefin chain. The transition metal complex includes a transition metal having a reduced valency which is selectable from groups 4-6 of the Periodic Table of the Elements, with a multidentate monoanionic ligand and with two monoanionic ligands. A polar monomer has at least one polar group and that group is reacted with or coordinated to a protecting compound prior to the copolymerization step. In particular, the reduced valency transition metal is titanium (Ti(III)).

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**C08F 210/00**; **C08F 4/64**

IPC 8 full level  
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