

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

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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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