

Title (en)

OFF-LINE PREACTIVATED CATALYSTS AND PREPOLYMERIZED CATALYSTS

Title (de)

OFF-LINE VORAKTIVIERTE KATALYSATOREN UND VORPOLYMERISIERTE KATALYSATOREN

Title (fr)

CATALYSEURS PREALABLEMENT ACTIVES HORS CIRCUIT ET CATALYSEURS PREPOLYMERISES

Publication

**EP 1115754 A1 20010718 (EN)**

Application

**EP 99949645 A 19990913**

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- US 10020498 P 19980914

Abstract (en)

[origin: WO0015673A1] Catalysts that have been preactivated and/or prepolymerized are disclosed whereby a magnesium and titanium-containing procatalyst component is contacted with a co-catalyst and an external electron donor (and optionally with an olefin monomer to prepare a prepolymerized catalyst) prior to polymerization to form a preactivated and/or prepolymerized catalyst. The preactivated and/or prepolymerized catalyst then is separated from the mixture, and dried to form a solid preactivated and/or prepolymerized catalyst. This dried catalyst then can be stored and subsequently shipped to a polymerization site where it can be used in gas phase polymerization. The preactivated and/or prepolymerized catalyst can be used in gas phase polymerization as extremely high activity catalyst, and do not cause a rapid rise in reaction temperature causing overheating, undesirable formation of agglomerates, coagulation of polymer, and ultimately, reactor failure.

IPC 1-7

**C08F 4/646**; **C08F 10/00**

IPC 8 full level

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