

Title (en)  
PROCESS FOR PREPARING CATALYSTS AND CATALYST COMPOSITIONS

Title (de)  
VERFAHREN ZUM HERSTELLEN VON KATALYSATOREN UND KATALYSATORZUSAMMENSETZUNGEN

Title (fr)  
PROCÉDÉ DE PRÉPARATION DE CATALYSEURS ET COMPOSITIONS CATALYTIQUES

Publication  
**EP 4097153 A1 20221207 (EN)**

Application  
**EP 20712074 A 20200127**

Priority  
US 2020015217 W 20200127

Abstract (en)  
[origin: WO2021154204A1] Disclosed are support-activators and catalyst compositions comprising the support-activators for polymerizing olefins in which the support-activator includes clay heteroadduct, prepare from a colloidal phyllosilicate such as a colloidal smectite clay, which is chemically-modified with a heterocoagulation agent. By limiting the amount of heterocoagulation reagent relative to the colloidal smectite clay as described herein, the smectite heteroadduct support-activator is a porous and amorphous solid which can be readily isolated from the resulting slurry by a conventional filtration process, and which can activate metallocenes and related catalysts toward olefin polymerization. Related compositions and processes are disclosed.

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