

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.

IPC 8 full level
B01J 29/04 (2006.01); **C08F 4/659** (2006.01); **C08F 4/6592** (2006.01); **C08F 110/00** (2006.01); **C08F 110/02** (2006.01); **C08F 110/06** (2006.01)

CPC (source: EP)
C08F 110/00 (2013.01); **C08F 110/02** (2013.01); **C08F 110/06** (2013.01)

Citation (search report)
See references of WO 2021154204A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2021154204 A1 20210805; CN 115023446 A 20220906; EP 4097153 A1 20221207; JP 2023523494 A 20230606

DOCDB simple family (application)
US 2020015217 W 20200127; CN 202080094571 A 20200127; EP 20712074 A 20200127; JP 2022544670 A 20200127