

Title (en)

CATALYTIC SYSTEM BASED ON A RARE-EARTH METALLOCENE AND A CO-CATALYST HAVING A PLURALITY OF CARBON-MAGNESIUM BONDS

Title (de)

KATALYSATORSYSTEM AUF BASIS EINES SELTENERDMETALLOCENS UND EINES COKATALYSATORS MIT MEHREREN KOHLENSTOFF-MAGNESIUM-BINDUNGEN

Title (fr)

SYSTÈME CATALYTIQUE À BASE D'UN MÉTALLOCÈNE DE TERRE RARE ET D'UN CO-CATALYSEUR AYANT PLUSIEURS LIAISONS CARBONE MAGNÉSIUM

Publication

EP 4251659 A1 20231004 (FR)

Application

EP 21823967 A 20211119

Priority

- FR 2012080 A 20201124
- FR 2021052045 W 20211119

Abstract (en)

[origin: WO2022112692A1] The invention relates to a catalytic system based on at least one rare-earth metallocene and, as co-catalyst, an organomagnesium compound having the formula X-Mg-RA-Mg-X, where RA is a divalent aliphatic hydrocarbon chain, interrupted or not by an oxygen atom, a sulphur atom or by an arylene group, and X is a halogen atom. The catalytic system of the invention enables the synthesis of telechelic diene and/or ethylene polymers.

IPC 8 full level

C08F 10/02 (2006.01); **C08F 4/54** (2006.01)

CPC (source: EP US)

C08F 4/545 (2013.01 - US); **C08F 8/32** (2013.01 - EP); **C08F 10/02** (2013.01 - EP); **C08F 210/02** (2013.01 - US)

C-Set (source: EP)

1. **C08F 110/02 + C08F 2500/02 + C08F 2500/03**
2. **C08F 210/02 + C08F 236/06 + C08F 2500/02 + C08F 2500/03 + C08F 2500/27**
3. **C08F 8/32 + C08F 210/02**
4. **C08F 10/02 + C08F 4/545**

Citation (search report)

See references of WO 2022112692A1

Designated contracting state (EPC)

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BA ME

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DOCDB simple family (publication)

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