

Title (en)

MODIFIED ALUMOXANE CATALYST ACTIVATOR

Title (de)

MODIFIZIERTER ALUMOXANE KATALYSATORAKTIVATOR

Title (fr)

ACTIVATEUR MODIFIE DE CATALYSEUR D'ALUMOXANE

Publication

EP 1019415 A1 20000719 (EN)

Application

EP 98947065 A 19980916

Priority

- US 9819314 W 19980916
- US 5957297 P 19970919
- US 5957397 P 19970919
- US 5957497 P 19970919

Abstract (en)

[origin: WO9915534A1] A catalyst activator particularly adapted for use in the activation of metal complexes of metals of Group 3-10 for polymerization of ethylenically unsaturated polymerizable monomers, especially olefins, comprising: a composition comprising a mixture of aluminum containing Lewis acids said mixture corresponding to the formula: $[(-AlQ_{<1>-O-})_z (-AlAr_{<f>-O-})_{z'}](Ar_{<f>z''}Al_2Q_{<1>6-z''})$ where $Q_{<1>}$ independently each occurrence is selected from C1-20 alkyl; $Ar_{<f>}$ is a fluorinated aromatic hydrocarbyl moiety of from 6 to 30 carbon atoms; z is a number from 1 to 50, preferably from 1.5 to 40, more preferably from 2 to 30, and the moiety $(-AlQ_{<1>-O-})$ is a cyclic or linear oligomer with a repeat unit of 2-30; z' is a number from 1 to 50, preferably from 1.5 to 40, more preferably from 2 to 30, and the moiety $(-AlAr_{<f>-O-})$ is a cyclic or linear oligomer with a repeat unit of 2-30; and z'' is a number from 0 to 6, and the moiety $(Ar_{<f>z''}Al_2Q_{<1>6-z''})$ is either tri(fluoroarylaluminum), trialkylaluminum, or an adduct of tri(fluoroarylaluminum) with a sub-stoichiometric to super-stoichiometric amount of a trialkylaluminum.

IPC 1-7

C07F 5/06; C08F 4/602; C08F 10/00

IPC 8 full level

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CPC (source: EP KR)

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C-Set (source: EP)

1. **C08F 10/00** + **C08F 4/6428**
2. **C08F 10/00** + **C08F 4/65912**
3. **C08F 10/00** + **C08F 4/642**
4. **C08F 210/16** + **C08F 2/34**
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