

Title (en)

METAL POLYMERYLS AND THE POLYMER SOLUBILIZED SURFACES DERIVED THEREFROM

Title (de)

METALLPOLYMERYLE UND DARAUS GEWONNENE POLYMERGELÖSTE OBERFLÄCHEN

Title (fr)

POLYMÉRYLES MÉTALLIQUES ET SURFACES SOLUBILISÉES EN POLYMÈRE DÉRIVÉES DE CEUX-CI

Publication

EP 2935360 A4 20160427 (EN)

Application

EP 13863793 A 20131209

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Abstract (en)

[origin: WO2014099440A1] Disclosed herein are certain propylene-based metal polymers and their use in modifying surfaces, and, in general, metal polymers used in modifying surfaces. In one aspect is a metal polymethyl comprising compounds having the general formula: MR_{3-n}R'; wherein each R group is a hydrogen or C1 to C10 or C20 alkyl, and each R' group is selected from propylene-based polymers having an Mn of at least 300 g/mole; n is 1, 2, or 3; and M is a Group 12 or 13 metal, preferably aluminum or zinc; wherein the first portion of the R' group bound to the metal M is a—CH₂CH₂— group, and the terminal portion of the R group is isobutyl. Surfaces that are modified or "solubilized" include particles of silica or alumina, glass, metal, clay and other hydroxyl-containing materials of all sizes.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- See references of WO 2014099440A1

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