

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 April 2004 (08.04.2004)

PCT

(10) International Publication Number
WO 2004/029118 A2

(51) International Patent Classification⁷: **C08G**

(21) International Application Number:
PCT/US2003/030436

(22) International Filing Date:
26 September 2003 (26.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/255,541 26 September 2002 (26.09.2002) US

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **LIQUID UNCROSSLINKED MICHAEL ADDITION OLIGOMERS PREPARED IN THE PRESENCE OF A CATALYST HAVING BOTH AN EPOXY MOIETY AND A QUATERNARY SALT**

(57) Abstract: The uncrosslinked liquid oligomeric compositions of this invention are made by the Michael addition reaction of acetoacetate-functional donor compounds with multifunctional acrylate acceptor compounds where the equivalent ratios of multifunctional acrylate to acetoacetate vary from $\geq 1:1$ to $\geq 13.2:1$ depending on the functionality of both multifunctional acrylate and acetoacetate in the presence of a catalyst comprising an epoxy moiety and a quaternary salt. Unusable gelled or cured oligomer products occur below the claimed ranges. The liquid oligomers of this invention are further crosslinked to make coatings, laminates and adhesives.



WO 2004/029118 A2