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GRIMES AVENUE, APARTMENT 916, Pearland, TX
77584 (US).

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(74) Agent: **HANSBRO, Kevin, R.**; Tht Dow Chemical Co.,
2030 Dow Center, Midland, MI 48674 (US).

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(71) Applicants (*for all designated States except US*): **DOW GLOBAL TECHNOLOGIES INC.** [US/US]; WASHINGTON STREET, 1790 BUILDING, Midland, MI 48674 (US). **QUEEN'S UNIVERSITY AT KINGSTON** [CA/CA]; 14 MICHELLE COURT, Kingston, ON K7L 3N6 (CA).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **PARENT, John, S.** [CA/CA]; 288 OLYMPUS AVENUE, Kingston, ON K7M 4T9 (CA). **SENGUPTA, Saurav, S.** [IN/CA]; 264 COLBORNE STREET, APARTMENT 1, Kingston, ON K7K 1E5 (CA). **CHAUDHARY, Bharat, I.** [US/US]; 14 MICHELLE COURT, Princeton, NJ 08540 (US). **FINLAYSON, Malcolm, F.** [IE/US]; 731 EAST 12TH 1/2 STREET, Houston, TX 77008 (US). **HAHN, Stephen, F.** [US/US]; 313 ROSEMARY LANE, Lake Jackson, TX 77566 (US). **COSTEUX, Stephane** [FR/US]; 11211

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(54) Title: TAP-MEDIATED, RHEOLOGY-MODIFIED POLYMERS AND PREPARATION METHODS

(57) Abstract: The present invention yields a triallyl phosphate (TAP)-mediated, rheology-modified polymer being prepared in a reaction from a reaction mixture made from or containing (a) a free-radical, chain-scissionable organic polymer and (b) TAP, wherein the TAP-mediated, rheology-modified polymer has extensional viscosity at Hencky strains above one greater than that of the free-radical, chain-scissionable organic polymer and/or a Relaxation Spectra Index (RSI) greater than that of the free-radical, chain-scissionable organic polymer.

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