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(71) Applicant (for all designated States except US): **POLY-ONE CORPORATION** [US/US]; 33587 Walker Road, Avon Lake, Ohio 44012 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ZHU, Shixiong** [CN/US]; 27435 Detroit Road, Apt. F6, Westlake, Ohio 44145 (US). **AVAKIAN, Roger, W.** [US/US]; 6611 Duneden Avenue, Solon, Ohio 44139-4047 (US).

(74) Agents: **HORNICKEL, John, H.** et al.; Polyone Corporation, 33587 Walker Road, Avon Lake, Ohio 44012 (US).

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(54) Title: FLAME RETARDANT POLYLACTIC ACID COMPOUNDS

(57) Abstract: A significant disadvantage of the use of polylactic acid (PLA), lack of flame retardance, has been overcome by the use of polyphosphonate-co-carbonate in combination with an impact modifier, a drip suppressant, and optionally, an epoxy functional styrene-acrylate oligomeric chain extender. The compound achieves a UL 94 rating of V-0 or V-1 and a Notched Izod value of more than about 5 ft-lbs/in. The compound also exceeds a threshold of 100C in heat deflection temperature.



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