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- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
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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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