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(71) Applicant: **AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH** [SG/SG]; 1 Fusionopolis Way, #20-10 Connexis North Tower, Singapore 138632 (SG).

(72) Inventors: **ZHENG, Yuanhuan**; c/o Institute of Materials Research and Engineering, 2 Fusionopolis Way, #08-03, Innovis, Singapore 138634 (SG). **FAM, Derrick**; c/o Institute of Materials Research and Engineering, 2 Fusionopolis

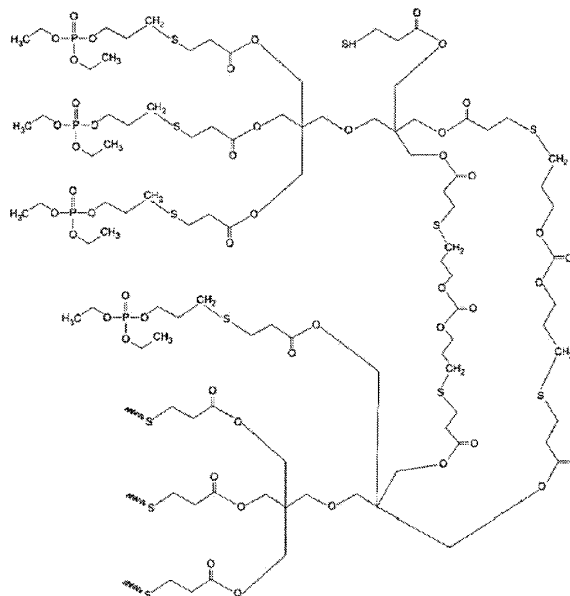
lis Way, #08-03, Innovis, Singapore 138634 (SG). **CHIEN, Sheau Wei**; c/o Institute of Materials Research and Engineering, 2 Fusionopolis Way, #08-03, Innovis, Singapore 138634 (SG).

(74) Agent: **VIERING, JENTSCHURA & PARTNER LLP**; 230 Victoria Street, #07-06 Bugis Junction Towers, Singapore 188024 (SG).

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(54) Title: RAPID CURING OF PHOSPHORUS ALLYL/VINYL COMPOUNDS FOR FLAME RETARDANT POLYMERIC MATRIX

FIG. 1A



(57) Abstract: Herein disclosed is a method for forming a flame retardant polymer electrolyte, the method comprising forming a mixture comprising a phosphorus compound having a terminal vinyl or allyl moiety, a thiol-based agent having two or more terminal thiol functional groups, and a polymerization initiator, and subjecting the mixture to a stimulus to have the flame retardant polymer electrolyte formed in one hour or less. A lithium-based flame retardant polymer electrolyte is also disclosed.

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