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(54) Title: HALOGEN-FREE FLAME RETARDANTS FOR EPOXY RESIN SYSTEMS

(57) Abstract: This disclosure relates to flame retardants that are useful for epoxy resin systems. Coating compositions and methods are provided that include an epoxy resin and a phosphate-containing flame retardant wherein the phosphate-containing flame retardant is selected from Group 1 metallic salts of a phosphate of a saccharide, Group 2 salts of a glycerophosphate, and Group 1 metallic salts of a polyphosphate. The provided flame retardants have low toxicity and are friendly to the environment.



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