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(54) Title: METHOD OF FORMING A CURED COATING COMPOSITION ON AN AUTOMOBILE COMPONENT

(57) Abstract: A method of forming a cured coating composition on an automobile component is provided. The method utilizes a coating compound including a radical polymerizable compound and an organoborane initiator and includes the step of applying the coating composition to the automobile component. The organoborane initiator is complexed with a bi-functional noncyclic blocking agent that has a carbon backbone and two organoborane complexing moieties. The two moieties are different from each other and are selected from the group of an amine moiety, a thiol moiety, and a phosphine moiety. In addition, the two moieties are separated from each other by two to four carbon atoms to increase the nucleophilicity of the blocking agent towards the organoborane initiator. The organoborane initiator is decomplexed from the blocking agent thereby forming a radical that is used to polymerize the radical polymerizable compound and cure the coating composition on the automobile component.



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