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- [54] **METHOD AND COMPOSITION FOR PROMOTING IMPROVED ADHESION TO SUBSTRATES**
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[57] **ABSTRACT**

An etchant/primer composition is provided which includes (a) a compound having the formula



wherein R=R¹ or R²;

R¹=an aromatic group;

R²=a conjugated aliphatic group;

Y=a single bond, CH₂, CHCH₃ or C=CH₂; and

each M is independently H, an alkali metal, an alkaline earth metal, aluminum, a transition or redox metal or an alkyl group having 1 to 18 carbon atoms, with the proviso that when both M groups are alkyl groups, the compound corresponding to formula I be capable of being easily hydrolyzed, displaced or exchanged with other reagents present in the etchant/primer composition and (b) a polar solvent system. An etchant/primer/adhesive monomer composition is also provided which includes the etchant/primer composition and an adhesive monomer system. One and two step simplified methods for adhering and for preparing a substrate surface, such as a dental substrate surface, to a polymeric material are also provided. Kits which may be used with these compositions and methods are also provided.

25 Claims, 2 Drawing Sheets