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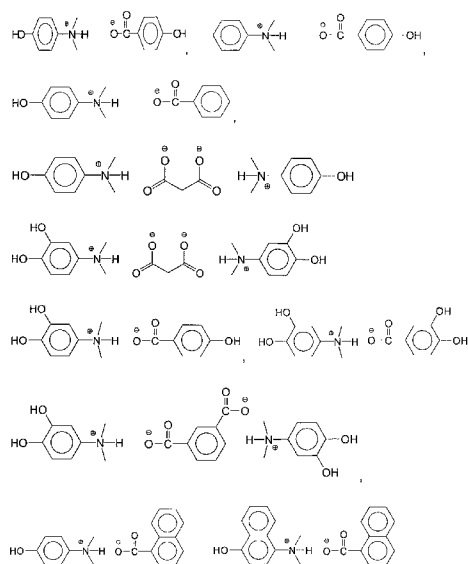
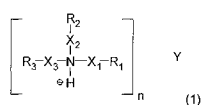
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(54) Title: BOTTOM ANTIREFLECTIVE COATING COMPOSITIONS AND PROCESSES THEREOF

Figure 1: Examples of carboxylate additive

(57) Abstract: The present invention relates to an antireflective coating composition comprising a crosslinking agent, a polymer comprising at least one chromophore group and at least one hydroxyl and/or a carboxyl group, and an additive, further where the additive has structure (1) and comprises at least one arylene-hydroxyl moiety, where Y is selected from an carboxylate anion or sulfonate anion, R₂, and R₃ are independently selected from unsubstituted C₁-C₈ alkyl, substituted C₁-C₈ alkyl, aryl and arylene-hydroxyl; X₁, X₂, and X₃ are independently selected from direct valence bond and C₁-C₈ alkylene group, and, n = 1, 2 or 3. The invention further relates to a process for using the composition.



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