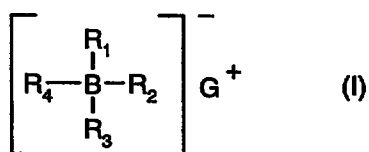


Acid-stable borates for photopolymerization

Abstract

Compounds of the formula I



in which R_1 is, for example, C_1 - C_{20} alkyl or phenyl- C_1 - C_6 alkyl which radicals are unsubstituted or substituted; R_2 , R_3 and R_4 independently of one another are phenyl or biphenyl, which radicals are unsubstituted or substituted; wherein the sum of the Hammett σ constants ($\Sigma\sigma$) of the substituents on the aromatic radicals R_2 , R_3 and R_4 is between +0.36 and +2.58; R_8 , R_9 , R_{14} , R_{15} and R_{16} are, for example, C_1 - C_{12} alkyl, phenyl- C_1 - C_6 alkyl or phenyl, and G is a radical which is able to form positive ions are suitable as photoinitiators for photopolymerizable compositions which contain acid groups, in the presence of a coinitiator if desired.