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(54) Title: ONIUM SALTS WITH WEAKLY COORDINATING IMIDAZOLIDINE ANION AS CATIONIC INITIATORS

(57) Abstract: The present invention relates to novel onium imidazolidine organometallic complexes which are cationic initiators of polymerization, and to the use of such novel onium salts for the polymerization or crosslinking of functional polymers or monomers by photochemical activation, or activation under an electron beam. The onium imidazolidine had the formula (I): $Q^+ A^-$ wherein Q^+ is a onium cation. A is imidazolidine anion of formula (II) $[R^1_3Mt-LN-MtR^1_3]^-$ wherein LN is imidazolidine group, Mt is B, Ga, In or Tl; R^1 are identical or different and represent a monovalent aromatic hydrocarbon radical having from 6 to 14 carbon atoms with at least one electron-withdrawing element or group such as $-CF_3$, $-NO_2$ or $-CN$, or with at least two halogen atoms.



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