

Title (en)

USE OF ONIUM SALTS WITH WEAKLY COORDINATING IMIDAZOLIDINE ANION AS CATIONIC INITIATORS

Title (de)

VERWENDUNG VON ONIUMSALZEN MIT SCHWACH KOORDINIERENDEM IMIDAZOLIDINANION ALS KATIONISCHE INITIATOREN

Title (fr)

UTILISATION DE SELS D'ONIUM AVEC UN ANION D'IMIDAZOLIDINE A FAIBLE COORDINATION COMME INITIATEURS CATIONIQUES

Publication

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Application

**EP 02794080 A 20021126**

Priority

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Abstract (en)

[origin: WO03062208A1] The present invention relates to novel onium imidazolid 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 imidazolid had the formula (I): Q<sup>+</sup> A<sup>-</sup> wherein Q<sup>+</sup> is a onium cation. A is imidazolid anion of formula (II) [R<sup>1</sup>3Mt-LN-MtR<sup>1</sup>3]- wherein LN is imidazolid group, Mt is B, Ga, In or Tl; R<sup>1</sup> 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<sub>3</sub>, -NO<sub>2</sub> or -CN, or with at least two halogen atoms.

IPC 1-7

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CPC (source: EP KR)

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