

Title (en)
LITHOGRAPHIC PRINTING PLATE PRECURSOR AND METHOD OF USE

Title (de)
LITHOGRAPHIEDRUCKPLATTENVORLÄUFER UND VERFAHREN ZUR VERWENDUNG

Title (fr)
PRÉCURSEUR DE PLAQUE D'IMPRESSION LITHOGRAPHIQUE ET PROCÉDÉ D'UTILISATION

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Application
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Abstract (en)
[origin: CN117098665A] An IR sensitive lithographic printing plate precursor provides a stable printed image using a unique IR radiation sensitive composition in an infrared radiation sensitive image recording layer. The IR radiation sensitive composition comprises: (1) a free radical initiator composition comprising an electron donor; (2) a radically polymerizable composition; and (3) a color-changing compound represented by structure (I) having a conjugated carbon chain between aromatic end groups. The compound also has a-SO₂-R₃ group, wherein R₃ represents an alkyl group, an aryl group or a heteroaryl group. After IR imaging, these precursors exhibit desirable printed images both when fresh and after dark storage. The precursor may be developed off-line or on-line.

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