

Title (en)  
USE OF CARBOXYL GROUP-CONTAINING ACETAL POLYMERS IN LIGHT-SENSITIVE COMPOSITIONS AND LITHOGRAPHIC PRINTING PLATES

Title (de)  
VERWENDUNG VON CARBOXYLGRUPPENHALTIGEN ACETALPOLYMEREN IN LICHTEMPFLINDLICHEN ZUSAMMENSETZUNGEN UND LITHOGRAPHISCHEN DRUCKPLATTEN

Title (fr)  
UTILISATION DE POLYMERES ACETALYTIQUES CONTENANT DES GROUPES CARBOXYLE DANS DES COMPOSITIONS PHOTOSENSIBLES ET DES PLAQUES D'IMPRESSION LITHOGRAPHIQUES

Publication  
**EP 1292860 A2 20030319 (DE)**

Application  
**EP 01929416 A 20010307**

Priority  
• DE 10011096 A 20000309  
• EP 0102543 W 20010307

Abstract (en)  
[origin: WO0167179A2] The present invention relates to a light-sensitive composition containing: (i) at least one diazonium polycondensation product or at least one system that can be radically polymerised and consists of photo initiators and unsaturated compounds which can be radically polymerised or at least one hybrid system consisting of a diazonium polycondensation product and a system that can be radically polymerised and consists of photo initiators and unsaturated compounds which can be radically polymerised, (ii) at least one binding agent and optionally one or more exposure indicators, one or more dyes for increasing the image contrast and one or more acids for stabilising the light-sensitive composition which is characterised in that the binding agent essentially consists of units (A, B, C, D), whereby A corresponds to formula (I), B corresponds to formula (II), C corresponds to formula (III) and D corresponds to formula (IV). The invention also relates to the use thereof for coating printing plates. The invention further relates to printing plates which are coated with said light-sensitive composition.

IPC 1-7  
**G03F 7/021**; **G03F 7/032**

IPC 8 full level  
**G03F 7/021** (2006.01); **G03F 7/032** (2006.01)

CPC (source: EP US)  
**G03F 7/0212** (2013.01 - EP US); **G03F 7/0215** (2013.01 - EP US); **G03F 7/032** (2013.01 - EP US)

Citation (search report)  
See references of WO 0167179A2

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**WO 0167179 A2 20010913**; **WO 0167179 A3 20020117**; BR 0109106 A 20021203; DE 10011096 A1 20011011; EP 1292860 A2 20030319; US 2003180654 A1 20030925; US 6808858 B2 20041026

DOCDB simple family (application)  
**EP 0102543 W 20010307**; BR 0109106 A 20010307; DE 10011096 A 20000309; EP 01929416 A 20010307; US 22111702 A 20021210