

Title (en)

IMAGE FORMING METHOD AND HEAT-PROCESSIBLE COLOR PHOTSENSITIVE MATERIAL FOR USE IN SAID METHOD

Publication

EP 0385383 A3 19920318 (EN)

Application

EP 90103768 A 19900227

Priority

- JP 4562989 A 19890227
- JP 20982189 A 19890814

Abstract (en)

[origin: EP0385383A2] A method which comprises the steps of: providing a heat-processible color photosensitive material that has at least a light-sensitive silver halide, a reducing agent, a binder and a dye-providing material on a support, which dye-providing material contains either a dye portion represented by the following general formula (1) or a dye portion represented by the following general formula (2) or both; performing imagewise exposure on said photosensitive material; subsequent to or simultaneously with the imagewise exposure, thermally developing said photosensitive material in close contact with an image-receiving material; transferring onto said image-receiving material all or part of the diffusible dye containing said dye portion which is formed from said dye-providing material as a function of development; during or after the transfer, chelating part or all of the diffusible dye with a metal to thereby form an image of the chelated dye in said image-receiving material: <CHEM> where X represent the atomic group necessary to form an aromatic nitrogenous heterocyclic ring; R1 is a hydrogen atom, a halogen atom or a monovalent organic group; m is an integer of 0 or 1 - 3, provided that when m is 2 or 3, R1 may be the same or different; Y is a hydroxyl group or a group <CHEM> (where R and R7 each represents a hydrogen atom or an optionally substituted alkyl group); and R<2>, R<3>, R<4> and R<5> each represents a hydrogen atom, a halogen atom, or a monovalent organic group.

IPC 1-7

G03C 8/02; **G03C 8/40**; **G03C 8/10**

IPC 8 full level

G03C 8/10 (2006.01); **G03C 8/40** (2006.01)

CPC (source: EP)

G03C 8/10 (2013.01); **G03C 8/4033** (2013.01)

Citation (search report)

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- [Y] CHEMICAL ABSTRACTS vol. 108, no. 2, 11 January 1988, page 615, left-hand column, abstract no. 15172e, Columbus, Ohio, US; Y. KUBO et al.: "Syntheses and characteristics of near-infrared absorbing metal complex dyes with indoaniline-type ligands" & Chem. Lett. 1987, no.4, pages 1563-1566

Cited by

US5436108A; EP0573048A3; WO9414620A1

Designated contracting state (EPC)

DE GB

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