

Title (en)
Color diffusion transfer photographic material

Title (de)
Farbphotographisches Diffusionsübertragungsmaterial

Title (fr)
Matériau photographique couleur à diffusion-transfert

Publication
EP 1037106 B1 20050126 (EN)

Application
EP 00104590 A 20000315

Priority
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• JP 24060299 A 19990826

Abstract (en)
[origin: EP1037106A1] A color diffusion transfer photographic material is described which comprises a support having provided thereon at least two photosensitive silver halide emulsion layers associated with a nondiffusible dye image-forming compound which forms or releases a diffusible dye or a precursor thereof relating to silver development, or a dye image-forming compound the diffusibility of which itself changes relating to silver development, wherein said photographic material contains a compound represented by the following formula (I) and at least one oxidizing agent represented by the following formula (II), (III) or (IV): <CHEM> wherein EAG represents an electron-accepting group; N and O represent a nitrogen atom and an oxygen atom respectively, and the N-O bond cleaves when EAG accepts an electron from a reducing agent; R<1> and R<2> each represents a substituent other than a hydrogen atom, when R<1> or R<2> is bonded to -(Time)t-DIG, each represents a single bond or a divalent substituent, R<1> and R<2> may be bonded to each other to form a ring, and R<1> and EAG, or R<2> and EAG may be bonded to each other to form a ring; Time represents a group which releases DIG through the reaction following after said cleavage between nitrogen and oxygen; DIG represents a moiety which becomes a development inhibitor as a result of being released; t represents 0 or 1; and a solid line represents a bond, and a broken line represents that at least any one is bonded; <CHEM> wherein R<21>, R<22>, R<23> and R<24> each represents a hydrogen atom, a substituted or unsubstituted alkyl group having from 1 to 10 carbon atoms, a substituted or unsubstituted alkoxy group having from 1 to 10 carbon atoms, a substituted or unsubstituted alkylthio group having from 1 to 10 carbon atoms, a substituted or unsubstituted aryl group, a substituted or unsubstituted arylthio group, a substituted or unsubstituted aryloxy group, a halogen atom, or a cyano group, R<21> and R<22>, or R<23> and R<24> may be bonded to each other to form a ring; <CHEM> wherein D<1> and D<2>, which may be the same or different, each represents an atomic group necessary for forming a benzene ring or a naphthalene ring; G<1> and G<2>, which may be the same or different, each represents a hydrogen atom or an arbitrary substituent which does not cause photographically maleficent influence; A<1>, A<2> and A<3>, which may be the same or different, each represents a hydrogen atom or an arbitrary substituent which does not cause photographically maleficent influence; B<1>, B<2> and B<3>, which may be the same or different, each represents a hydrogen atom or an arbitrary substituent which does not cause photographically maleficent influence; L<1> and L<2>, which may be the same or different, each represents a linking group; m and n each represents 0 or 1; and M<1> and M<2>, which may be the same or different, each represents a component having a function of releasing an azo compound from a compound represented by formula (III) as a result of development, or a hydrogen atom; <CHEM> wherein EAG represents an electron-accepting group; N and O represent a nitrogen atom and an oxygen atom respectively, and the N-O bond cleaves when EAG accepts an electron from a reducing agent; and R<41> and R<42> each represents a substituent other than a hydrogen atom, R<41> and R<42>, R<41> and EAG, or R<42> and EAG may be bonded to each other to form a ring.

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G03C 8/08

IPC 8 full level
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