



11) Publication number:

0 423 742 A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 90119862.2

② Date of filing: 16.10.90

(5) Int. Cl.5: **G03C 7/30**, G03C 1/83, G03C 7/305

Priority: 16.10.89 JP 268580/89

43 Date of publication of application: 24.04.91 Bulletin 91/17

Designated Contracting States:

DE FR GB NL

Output

Designated Contracting States:

DE FR GB NL

DESIGNATION

DESIGNA

Date of deferred publication of the search report: 12.06.91 Bulletin 91/24

(71) Applicant: FUJI PHOTO FILM CO., LTD.

210 Nakanuma Minami Ashigara-shi Kanagawa(JP)

Inventor: Usui, Hideo, c/o Fuji Photo Film Co., Ltd.
No. 210 Nakanuma
Minami Ashigara-shi, Kanagawa(JP)

Representative: Patentanwälte Grünecker, Kinkeldey, Stockmair & Partner Maximilianstrasse 58 W-8000 München 22(DE)

Silver halide color reversal photographic photosensitive material.

A silver halide color reversal photographic photosensitive material is disclosed comprising a support having thereon at least one red sensitive emulsion layer, at least one green sensitive emulsion layer and at least one blue sensitive emulsion layer, at least one hydrophilic colloid layer of said photographic photosensitive material containing a microcrystalline dispersion of at least one compound selected from the compounds represented by formulae (I), (II), (IV), (V) and (VI), and at least one hydrophilic colloid layer of said photographic photosensitive material containing at least one compound represented by formula (VII):

$$\begin{array}{c} R \\ \downarrow \\ A=C-(CH=CH)_{m} \\ \hline \\ R_{5} \\ \hline \\ R_{6} \\ \end{array}$$

$$A=L_1-(L_2=L_3)_n-A'$$
 (III)

$$A = (L_1 - L_2)_{2-\alpha} = B$$
 (IV)

$$X \sim C = CH - CH = B$$
 (V)

$$NC \longrightarrow C = C \longrightarrow B'$$
(VI)

wherein A and A['], which may be the same or different, each represents an acidic nucleus; B represents a basic nucleus; and X and Y, which may be the same or different, each represents an electron attractive group; R represents a hydrogen atom or an alkyl group; R_1 and R_2 each represent an alkyl group, an aryl group, an acyl group or a sulfonyl group, or R_1 and R_2 are joined together to form a five or six membered ring; R_3 and R_6 each represent a hydrogen atom, a hydroxy group, a carboxyl group, an alkyl group, an alkoxy group or a halogen atom; R_4 and R_5 each represent a hydrogen atom or a group of non-metal atoms joined together with R_1 and R_2 , respectively, to form a five or six membered ring; L_1 , L_2 and L_3 each represent a methine group; m represents 0 or 1, n and q each represent 0, 1 or 2, and p represents 0 or 1, and when p is 0, R_3 represents a hydroxy group or a carboxyl group and R_4 and R_5 each represent a hydrogen atom; B['] represents a heterocyclic group containing a carboxyl group, a sulfamoyl group or a sulfonamido group;

said compound represented by formulae (I) to (VI) containing at least one dissociable group such taht the pKa value of the compound in a 1 : 1 by volume mixed solvent comprising water and ethanol is within the range of from 4 to 11:

EP 0 423 742 A3

$A-(Time)_t-Z$ (VII)

wherein A represents a redox parent nucleus which eliminate - $(Time)_t$ -Z by oxidation during photographic development processing; Time represents a timing group which is bonded to A with a sulfur atom, a nitrogen atom, an oxygen atom or a selenium atom; t represents an integer of value 0 or 1; and Z represents a development inhibitor group.



EUROPEAN SEARCH REPORT

EP 90 11 9862

Category		h indication, where appropriate, vant passages		levant claim	CLASSIFICATION OF THE APPLICATION (Int. CI.5)
Υ	JP-A-6 210 363 (FUJI) * abstract ** pages 3 - 12 ** lines 21 - 24 *	page 14, right-hand colun	1-7 nn,		G 03 C 7/30 G 03 C 1/83 G 03 C 7/305
Y,D	WO-A-8 804 794 (KODAK) * page 4, lines 21 - 27 * * pa *Dyes (1),(1 4),(53),(79),(119	ge 27, line 5 - page 28, lin	e 3		G 00 0 7/000
Y,D	EP-A-0 299 435 (KODAK) * page 3, lines 32 - 38 * * pa	ge 5, line 38 * 	1-7		
					TECHNICAL FIELDS SEARCHED (Int. C1.5)
					G 03 C
			•		
	The present search report has t	peen drawn up for all claims			
	Place of search	Date of completion of se	earch I		Examiner
		17 April 91			
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same catagory A: technological background O: non-written disclosure			E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons		