

12

**EUROPEAN PATENT APPLICATION**

21 Application number: **88109296.9**

51 Int. Cl.4: **G 03 C 7/26**  
**G 03 C 7/36**

22 Date of filing: **10.06.88**

30 Priority: **12.06.87 JP 146630/87**

43 Date of publication of application:  
**21.12.88 Bulletin 88/51**

84 Designated Contracting States: **DE FR GB NL**

88 Date of deferred publication of search report:  
**22.02.89 Bulletin 89/08**

71 Applicant: **FUJI PHOTO FILM CO., LTD.**  
**210 Nakanuma Minami Ashigara-shi**  
**Kanagawa 250-01 (JP)**

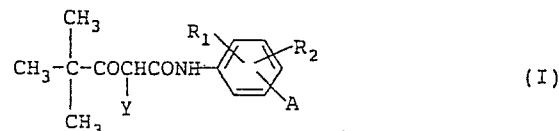
72 Inventor: **Sakai, Nobuo**  
**c/o Fuji Photo Film Co., Ltd. No. 210, Nakanuma**  
**Minami-Ashigara-shi Kanagawa (JP)**

**Mori, Fuyuhiko**  
**c/o Fuji Photo Film Co., Ltd. No. 210, Nakanuma**  
**Minami-Ashigara-shi Kanagawa (JP)**

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

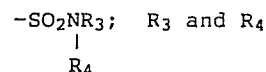
**54 Silver halide color photographic material.**

57 A silver halide color photographic material comprising a reflective support having provided therein a blue-sensitive silver halide emulsion layer, a green-sensitive silver halide emulsion layer, a red-sensitive silver halide emulsion layer and plural light-insensitive layers, wherein the blue-sensitive silver halide emulsion layer contains a monodisperse silver halide emulsion and a yellow coupler represented by formula (I) defined below, and at least one light-insensitive layer which is positioned farther from the reflective support than the blue-sensitive silver halide emulsion layer is a hydrophilic colloid layer containing at least one hydrophobic compound represented by formula (II) defined below, and a relative refractive index of an organic phase containing the hydrophobic compound with the exception of a volatile organic solvent and an amphipathic solute to a hydrophilic polymer thin film which forms the light-insensitive layer is in a range from 0.9875 to 1.0125; wherein said yellow coupler is represented by formula (I)

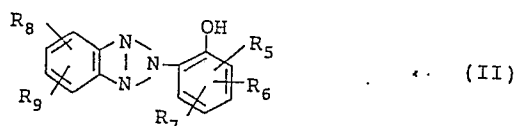


wherein R<sub>1</sub> represents a halogen atom or an alkoxy group; R<sub>2</sub> represents a hydrogen atom, a halogen atom, or an alkoxy

group; A represents -NHCOR<sub>3</sub>, -NH<sub>2</sub>SO<sub>2</sub>R<sub>3</sub>, -SO<sub>2</sub>NHR<sub>3</sub>, -COOR<sub>3</sub> or



R<sub>3</sub> and R<sub>4</sub> each represents an alkyl group; and Y represents a group which is capable of being released upon a coupling reaction with an oxidation product of a developing agent and is connected to the coupling position through an oxygen atom or a nitrogen atom; and wherein said hydrophobic compound is represented by formula (II)



wherein R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub>, R<sub>8</sub> and R<sub>9</sub> each represents a hydrogen atom, a halogen atom, a nitro group, a hydroxy group, an alkyl group, an alkenyl group, an aryl group, an alkoxy group, an acyloxy group, an aryloxy group, an alkylthio group, an arylthio group, a mono- or di-alkylamino group, an acylamino group or a 5-membered or 6-membered heterocyclic group containing an

oxygen atom or a nitrogen atom; or R<sub>8</sub> and R<sub>9</sub> are connected together to form a 5-membered or 6-membered aromatic carbon ring.

The silver halide color photographic material has sufficiently high color forming properties, particularly in the blue-sensitive emulsion layer thereof, is suitable for a rapid processing, and is excellent in processing stability.



DOCUMENTS CONSIDERED TO BE RELEVANT															
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)												
P,X Y	EP-A-0 231 870 (FUJI) * Page 10, lines 51-55; page 12, lines 18-58; page 13, lines 19-30; page 22, lines 1-19; claims * ----	1-17	G 03 C 7/26 G 03 C 7/36												
P,Y	EP-A-0 232 770 (FUJI) * Formulae (S-1)-(S-67) * ----	1-17													
Y	EP-A-0 213 700 (KONISHIROKU) * Whole document * ----	1-17													
Y	US-A-4 668 611 (NAKAMURA) * Whole document * -----	1-17													
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)												
			G 03 C 7/00												
The present search report has been drawn up for all claims															
Place of search THE HAGUE		Date of completion of the search 01-12-1988	Examiner MAGRIZOS S.												
<table><tr><td>CATEGORY OF CITED DOCUMENTS</td><td>T : theory or principle underlying the invention</td></tr><tr><td>X : particularly relevant if taken alone</td><td>E : earlier patent document, but published on, or after the filing date</td></tr><tr><td>Y : particularly relevant if combined with another document of the same category</td><td>D : document cited in the application</td></tr><tr><td>A : technological background</td><td>L : document cited for other reasons</td></tr><tr><td>O : non-written disclosure</td><td>.....</td></tr><tr><td>P : intermediate document</td><td>&amp; : member of the same patent family, corresponding document</td></tr></table>				CATEGORY OF CITED DOCUMENTS	T : theory or principle underlying the invention	X : particularly relevant if taken alone	E : earlier patent document, but published on, or after the filing date	Y : particularly relevant if combined with another document of the same category	D : document cited in the application	A : technological background	L : document cited for other reasons	O : non-written disclosure	.....	P : intermediate document	& : member of the same patent family, corresponding document
CATEGORY OF CITED DOCUMENTS	T : theory or principle underlying the invention														
X : particularly relevant if taken alone	E : earlier patent document, but published on, or after the filing date														
Y : particularly relevant if combined with another document of the same category	D : document cited in the application														
A : technological background	L : document cited for other reasons														
O : non-written disclosure	.....														
P : intermediate document	& : member of the same patent family, corresponding document														