

Title (en)

Silver halide color photographic material.

Title (de)

Farbphotographisches Silberhalogenidmaterial.

Title (fr)

Matériau photographique couleur à l'halogénure d'argent.

Publication

EP 0313083 A2 19890426 (EN)

Application

EP 88117593 A 19881021

Priority

JP 26747887 A 19871022

Abstract (en)

A silver halide color photographic material exhibiting excellent color reproduction, processing dependence, sharpness at high speed, and image storage properties having at least one red-sensitive silver halide emulsion layer containing at least one cyan coupler containing naphthol and having a substituent group in the 5-position, at least one green-sensitive silver halide emulsion containing at least one magenta coupler containing-pyrazoloazole and having an alkoxy group or an aryl oxy group in the 6-position, and at least one blue-sensitive silver halide emulsion layer containing at least one yellow coupler, wherein the cyan and the magenta coupler are of a defined formula.

IPC 1-7

G03C 7/32

IPC 8 full level

G03C 7/34 (2006.01); **G03C 7/32** (2006.01); **G03C 7/38** (2006.01)

CPC (source: EP)

G03C 7/3225 (2013.01)

Citation (applicant)

- EP 0161626 A2 19851121 - FUJI PHOTO FILM CO LTD [JP]
- US 4540654 A 19850910 - SATO TADAHISA [JP], et al
- EP 0226849 A2 19870701 - FUJI PHOTO FILM CO LTD [JP]
- JP S62180365 A 19870807 - FUJI PHOTO FILM CO LTD
- EP 0267618 A2 19880518 - FUJI PHOTO FILM CO LTD [JP]
- US 4080211 A 19780321 - VAN PAESSCHEN AUGUST JEAN, et al
- JP S59113438 A 19840630 - KONISHIROKU PHOTO IND
- JP S6143748 A 19860303 - FUJI PHOTO FILM CO LTD
- JP S6120037 A 19860128 - KONISHIROKU PHOTO IND
- JP S59113440 A 19840630 - KONISHIROKU PHOTO IND
- DE 1121470 B 19620104 - AGFA AG
- GB 923045 A 19630410 - AGFA AG
- JP S57112751 A 19820713 - FUJI PHOTO FILM CO LTD
- GB 923045 A 19630410 - AGFA AG
- JP S62206541 A 19870911 - KONISHIROKU PHOTO IND
- JP S62200350 A 19870904 - KONISHIROKU PHOTO IND
- JP S5534932 B2 19800910
- JP S62206543 A 19870911 - KONISHIROKU PHOTO IND
- JP S6263936 A 19870320 - KONISHIROKU PHOTO IND
- JP S5625738 A 19810312 - FUJI PHOTO FILM CO LTD
- US 3655394 A 19720411 - ILLINGSWORTH BERNARD D
- JP S4915495 B1 19740415
- US 3893858 A 19750708 - WABNITZ JR HERBERT E
- US 3574628 A 19710413 - JONES EVAN T
- DE 2059988 A1 19720615 - SCHRANZ KARL HEINZ DR
- GB 1413748 A 19751112 - EASTMAN KODAK CO
- JP S5357831 A 19780525 - KONISHIROKU PHOTO IND
- JP S5337418 A 19780406 - KONISHIROKU PHOTO IND
- US 4433048 A 19840221 - SOLBERG JOHN C [US], et al
- JP S5395630 A 19780822 - FUJI PHOTO FILM CO LTD
- GB 2112157 A 19830713 - EASTMAN KODAK CO
- JP S53104232 A 19780911 - KONISHIROKU PHOTO IND
- US 4022620 A 19770510 - OKUMURA AKIO, et al
- JP S53141623 A 19781209 - KONISHIROKU PHOTO IND
- US 4401752 A 19830830 - LAU PHILIP T S [US]
- JP S50140129 A 19751110
- GB 1425020 A 19760218 - KONISHIROKU PHOTO IND
- JP S5020832 A 19750305
- US 4310619 A 19820112 - ICHIJIMA SEIJI, et al
- US 3706561 A 19721219 - MOWREY ROWLAND G, et al
- EP 0073636 A1 19830309 - EASTMAN KODAK CO [US]
- JP S5816235 A 19830129 - KONISHIROKU PHOTO IND
- US 3725067 A 19730403 - BAILEY J, et al
- DE 2748430 A1 19790503 - AGFA GEVAERT AG
- JP S6043659 A 19850308 - FUJI PHOTO FILM CO LTD
- JP S4942434 A 19740422
- US 4052212 A 19771004 - DEGUCHI HIDETAKA, et al
- JP S578542 A 19820116 - KONISHIROKU PHOTO IND
- US 4228233 A 19801014 - YAGIHARA MORIO, et al

- JP S57144547 A 19820907 - FUJI PHOTO FILM CO LTD
- US 2369929 A 19450220 - VITTUM PAUL W, et al
- DE 2226770 A1 19730104 - EASTMAN KODAK CO
- US 2772162 A 19561127 - SALMINEN ILMARI F, et al
- US 3772002 A 19731113 - RAMELLO P
- US 3758308 A 19730911 - BEAVERS L, et al
- US 4334011 A 19820608 - AOKI KOZO, et al
- US 4327173 A 19820427 - AOKI KOZO, et al
- DE 3329729 A1 19840223 - KONISHIROKU PHOTO IND [JP]
- EP 0121365 A2 19841010 - FUJI PHOTO FILM CO LTD [JP]
- US 3446622 A 19690527 - MAGAGNOLI REMO, et al
- US 4333999 A 19820608 - LAU PHILIP T S
- US 4451559 A 19840529 - SATO RYOSUKE [JP], et al
- US 4427767 A 19840124 - AOKI KOZO [JP], et al
- US 4163670 A 19790807 - ARAI ATSUAKI [JP], et al
- JP S5739413 B2 19820821
- US 4004929 A 19770125 - ORVIS ROY L
- US 4138258 A 19790206 - HIROSE TAKESHI, et al
- GB 1146368 A 19690326 - FUJI PHOTO FILM CO LTD
- US 4366237 A 19821228 - ICHIJIMA SEIJI, et al
- GB 2125570 A 19840307 - FUJI PHOTO FILM CO LTD
- EP 0096570 A1 19831221 - OLYMPUS OPTICAL CO [JP]
- DE 3324533 A1 19840112 - FUJI PHOTO FILM CO LTD [JP]
- US 4367282 A 19830104 - YAGIHARA MORIO [JP], et al
- GB 2102173 A 19830126 - TOKYO SHIBAURA ELECTRIC CO [JP]
- JP S57151944 A 19820920 - FUJI PHOTO FILM CO LTD
- JP S57204234 A 19821214 - YAMAMOTO SOICHI
- JP S60184248 A 19850919 - FUJI PHOTO FILM CO LTD
- US 4248962 A 19810203 - LAU PHILIP T S
- GB 2097140 A 19821027 - FUJI PHOTO FILM CO LTD
- GB 2131188 A 19840613 - FUJI PHOTO FILM CO LTD
- JP S59157638 A 19840907 - FUJI PHOTO FILM CO LTD
- JP S59170840 A 19840927 - FUJI PHOTO FILM CO LTD
- US 4130427 A 19781219 - MONBALIU MARCEL J, et al
- US 4283472 A 19810811 - GOMPF THOMAS E, et al
- US 4338393 A 19820706 - BAILEY JOSEPH, et al
- US 4310618 A 19820112 - FERNANDEZ JOSE M, et al
- JP S60185950 A 19850921 - FUJI PHOTO FILM CO LTD
- EP 0173302 A2 19860305 - FUJI PHOTO FILM CO LTD [JP]
- JP S61201247 A 19860905 - EASTMAN KODAK CO
- US 4553477 A 19851119 - WITCZAK STANLEY [US]
- US 2322027 A 19430615 - JELLEY EDWIN E, et al
- US 4199363 A 19800422 - CHEN TSANG J [US]
- DE 2541274 A1 19760401 - EASTMAN KODAK CO
- DE 2541230 A1 19760526 - EASTMAN KODAK CO
- US 3893858 A 19750708 - WABNITZ JR HERBERT E
- DE 1290812 B 19690313 - AGFA GEVAERT AG
- DE 2059988 A1 19720615 - SCHRANZ KARL HEINZ DR
- JP S5332736 A 19780328 - KONISHIROKU PHOTO IND
- JP S5357831 A 19780525 - KONISHIROKU PHOTO IND
- JP S5337418 A 19780406 - KONISHIROKU PHOTO IND
- JP S5372623 A 19780628 - KONISHIROKU PHOTO IND
- JP S5395630 A 19780822 - FUJI PHOTO FILM CO LTD
- JP S5395631 A 19780822 - FUJI PHOTO FILM CO LTD
- JP S53104232 A 19780911 - KONISHIROKU PHOTO IND
- JP S53124424 A 19781030 - KONISHIROKU PHOTO IND
- JP S53141623 A 19781209 - KONISHIROKU PHOTO IND
- JP S5328426 A 19780316 - FUJI PHOTO FILM CO LTD
- JP S50140129 A 19751110
- JP S5020832 A 19750305
- JP S5332735 A 19780328 - KONISHIROKU PHOTO IND
- US 3706561 A 19721219 - MOWREY ROWLAND G, et al
- DE 1127715 B 19620412 - AGFA AG
- JP S5816235 A 19830129 - KONISHIROKU PHOTO IND
- DE 966410 C 19570801 - AGFA AG
- DE 2748430 A1 19790503 - AGFA GEVAERT AG
- JP S558836 B2 19800306
- JP S4942434 A 19740422
- JP S4959644 A 19740610
- JP S5394927 A 19780819 - FUJI PHOTO FILM CO LTD
- JP S5435727 A 19790316 - FUJI PHOTO FILM CO LTD
- JP S5526506 A 19800226 - FUJI PHOTO FILM CO LTD
- JP S58163940 A 19830928 - FUJI PHOTO FILM CO LTD
- US 4552834 A 19851112 - LAU PHILIP T S [US], et al
- JP S62288838 A 19871215 - FUJI PHOTO FILM CO LTD
- JP S578542 A 19820116 - KONISHIROKU PHOTO IND
- JP S578543 A 19820116 - KONISHIROKU PHOTO IND
- JP S5814834 A 19830127 - KONISHIROKU PHOTO IND
- JP S60220345 A 19851105 - KONISHIROKU PHOTO IND
- US 3342597 A 19670919 - HARNISH DONALD P, et al
- US 3342599 A 19670919 - REEVES RICHARD L
- US 3719492 A 19730306 - BARR C, et al
- JP S53135628 A 19781127 - FUJI PHOTO FILM CO LTD

- JP S5664339 A 19810601 - KONISHIROKU PHOTO IND
- JP S57144547 A 19820907 - FUJI PHOTO FILM CO LTD
- JP S58115438 A 19830709 - FUJI PHOTO FILM CO LTD
- DE 2226770 A1 19730104 - EASTMAN KODAK CO
- US 3674499 A 19720704 - SHIBA KEISUKE, et al
- US 4500626 A 19850219 - NAITO HIDEKI [JP], et al
- JP S60133449 A 19850716 - KONISHIROKU PHOTO IND
- JP S59218443 A 19841208 - FUJI PHOTO FILM CO LTD
- JP S61238056 A 19861023 - FUJI PHOTO FILM CO LTD
- EP 0210660 A2 19870204 - FUJI PHOTO FILM CO LTD [JP]
- V.L. ZELIKMAN ET AL.: "Making and Coating Photographic Emulsions", 1964, FOCAL PRESS
- RESEARCH DISCLOSURE (RD, no. 17643, February 1978 (1978-02-01), pages 22 - 23
- "1, Emulsion Preparation and Types", RD, no. 18716, November 1979 (1979-11-01), pages 648
- P. GLAFKIDES: "Chimie et Physique Photographique", 1967, PAUL MONTEL
- G.F. DUFFIN: "Photographic Emulsion Chemistry", 1966, FOCAL PRESS
- V.L. ZELIKMAN ET AL.: "Making and Coating Photographic Emulsions", 1964, FOCAL PRESS
- GUTOFF IN PHOTOGRAPHIC SCIENCE AND ENGINEERING, vol. 14, 1970, pages 248 - 257
- RESEARCH DISCLOSURE, no. 24220, June 1984 (1984-06-01)
- RESEARCH DISCLOSURE, no. 24230, June 1984 (1984-06-01)
- RESEARCH DISCLOSURE, vol. VII-G, no. 17643
- RESEARCH DISCLOSURE, vol. VII-F, no. 17643
- RESEARCH DISCLOSURE, no. 17643
- RESEARCH DISCLOSURE, no. 18716, pages 648
- A. GREEN ET AL., PHOTOGRAPHIC SCIENCE AND ENGINEERING, vol. 19, no. 2
- RESEARCH DISCLOSURE, no. 17129, July 1978 (1978-07-01)
- JOURNAL OF THE SOCIETY OF MOTION PICTURE AND TELEVISION ENGINEERS, vol. 64, May 1955 (1955-05-01), pages 248 - 253

Cited by

EP0442029A1; EP0459349A1; US5254446A; EP0421453A1; WO9218902A1

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 0313083 A2 19890426; EP 0313083 A3 19900425; EP 0313083 B1 19960110; DE 3854888 D1 19960222; DE 3854888 T2 19960613; JP H01108546 A 19890425

DOCDB simple family (application)

EP 88117593 A 19881021; DE 3854888 T 19881021; JP 26747887 A 19871022