

Title (en)

Silver halide photographic light-sensitive material.

Title (de)

Photographisches lichtempfindliches Silberhalogenidmaterial.

Title (fr)

Matériau photographique à l'halogénure d'argent sensible à la lumière.

Publication

EP 0202784 A2 19861126 (EN)

Application

EP 86303072 A 19860423

Priority

JP 8665985 A 19850423

Abstract (en)

A negative type silver halide photographic material comprising silver halide grains of core-shell structure which consists of an inner core essentially consisting of silver bromide iodobromide and a plurality of shells, essentially consisting of silver bromide or silver iodobromide, wherein said silver halide grains comprises (a) an outermost shell containing from 0 to 10 mol% silver iodide, (b) a highly iodide-containing shell provided inside said outermost shell, of which the silver iodide content is at least 6 mol% higher than that of said outermost shell, and (c) an intermediate shell provided between the shells (a) and (b) the silver iodide content of said intermediate shell being at least 3 mol% higher than that of said outermost shell, and at least 3 mol% lower than that of said high iodide-containing shell.

IPC 1-7

G03C 1/02

IPC 8 full level

G03C 1/005 (2006.01); **G03C 1/035** (2006.01)

CPC (source: EP)

G03C 1/035 (2013.01); **G03C 2001/03535** (2013.01); **G03C 2001/03558** (2013.01)

Citation (applicant)

- US 2592250 A 19520408 - PHILIP DAVEY EDWARD, et al
- JP S58113927 A 19830707 - EASTMAN KODAK CO
- JP S55127549 A 19801002 - KONISHIROKU PHOTO IND
- JP S4313162 B1
- JP S6035726 A 19850223 - FUJI PHOTO FILM CO LTD
- JP S512417 A 19760110 - MITSUBISHI PAPER MILLS LTD
- DE 3310609 A1 19831006 - MINNESOTA MINING & MFG [US]
- JP S5211927 A 19770129 - AGFA GEVAERT AG
- US 2592250 A 19520408 - PHILIP DAVEY EDWARD, et al
- US 4075020 A 19780221 - SALECK WILHELM, et al
- JP S55127549 A 19801002 - KONISHIROKU PHOTO IND
- JP S58181037 A 19831022 - MINNESOTA MINING & MFG
- JP S6035726 A 19850223 - FUJI PHOTO FILM CO LTD
- JP S59116647 A 19840705 - KONISHIROKU PHOTO IND
- GB 1535016 A 19781206 - ILFORD LTD
- JP S4836890 B1 19731107
- JP S5216364 B1 19770509
- JP S55158124 A 19801209 - AGFA GEVAERT AG
- JP S5814829 A 19830127 - KONISHIROKU PHOTO IND
- JP S60143331 A 19850729 - FUJI PHOTO FILM CO LTD
- JP S60143332 A 19850729 - FUJI PHOTO FILM CO LTD
- US 2688545 A 19540907 - CARROLL BURT H, et al
- US 2912329 A 19591110 - JONES JEAN E, et al
- US 3397060 A 19680813 - SCHWAN JUDITH A, et al
- US 3615635 A 19711026 - SHIBA KEISUKE, et al
- US 3628964 A 19711221 - SHIBA KEISUKE, et al
- GB 1195320 A 19700617 - LUBRIZOL CORP [US]
- GB 1242588 A 19710811 - FUJI PHOTO FILM CO LTD [JP]
- GB 1293862 A 19721025 - FUJI PHOTO FILM CO LTD [JP]
- DE 2030326 A1 19710107
- DE 2121780 A1 19711125
- JP S434936 B1
- JP S4414030 B1
- US 1574944 A 19260302 - SHEPPARD SAMUEL E
- US 2410689 A 19461105 - SHEPPARD SAMUEL E, et al
- US 2278947 A 19420407 - OSKAR RIESTER
- US 2728668 A 19551227 - EDWIN MOCHEL WALTER
- US 3656955 A 19720418 - USHIMARU YOSHUKU, et al
- US 4032928 A 19770628 - WHITE JOHN T, et al
- US 4067740 A 19780110 - BIGELOW JOHN HOWARD
- US 2487850 A 19491115 - CARROLL BURT H
- US 2419974 A 19470506 - STAUFFER ROBERT E, et al
- US 2518698 A 19500815 - LOWE WESLEY G, et al
- US 2983609 A 19610509 - ALLEN CHARLES F H, et al
- US 2983610 A 19610509 - ALLEN CHARLES F H, et al
- US 2694637 A 19541116 - GRAY RUSSELL H
- US 3930867 A 19760106 - BIGELOW JOHN H
- US 4054458 A 19771018 - OHTANI KATSUHIKO, et al

- US 2399083 A 19460423 - CECIL WALLER, et al
- US 2448060 A 19480831 - SMITH WILLIAM F, et al
- GB 618061 A 19490216 - KODAK LTD, et al
- US 2614928 A 19521021 - YUTZY HENRY C, et al
- US 3118766 A 19640121 - ROTH PETER H
- JP S395514 B1
- JP S4226845 B1
- US 3186846 A 19650601 - RYAN WILLIAM H
- GB 1033189 A 19660615 - EASTMAN KODAK CO
- US 3312553 A 19670404 - FRITZ DERSCH
- US 2681294 A 19540615 - BEGUIN ALBERT E
- US 2761791 A 19560904 - RUSSELL THEODORE A
- US 3526528 A 19700901 - TAKAHASHI KEIZO, et al
- US 2193015 A 19400312 - ARNOLD WEISSBERGER
- US 2592364 A 19520408 - ARNOLD WEISSBERGER, et al
- JP S4864933 A 19730907
- US 3042520 A 19620703 - JOHNSON CARL E
- US 3241966 A 19660322 - MAX HEILMANN, et al
- JP S428506 B1
- JP S428836 B1
- JP S5365732 A 19780612 - KONISHIROKU PHOTO IND
- JP S5792523 A 19820609 - KONISHIROKU PHOTO IND
- JP S5792524 A 19820609 - KONISHIROKU PHOTO IND
- JOURNAL OF PHOTOGRAPHIC SCIENCE, 1976, pages 198
- J.I. GOLDSTEIN; D.B. WILLIAMS: "X-Ray Analyses in TEM/ATEM", SCANNING ELECTRON MICROSCOPY, vol. 1, 1977
- IIT RESEARCH INSTITUTE, March 1977 (1977-03-01), pages 651
- ANNUAL MEETING OF SPSTJ, vol. 84, 1984, pages 49 - 51
- RESEARCH DISCLOSURE, vol. 176, no. 17643, December 1978 (1978-12-01), pages 23
- H. FRIESER: "Die Grundlagen der Photographische Prozesse mit Silberhalogeniden", AKADEMISCHE VERLAGSGESSELLSCHAFT, 1968, pages 675 - 734
- L.F.A. MASON: "Photographic Processing Chemistry", 1966, FOCAL PRESS, pages: 226 - 229

Cited by

US6258522B1; US6235460B1; US5035989A; EP0662632A3; US5780216A; US4990437A; EP1387214A1; US5240824A; EP0330508A3; US5124243A; US5576169A; EP0421741A1; US5183730A; EP0424923A1; US5312727A; US6815154B2; US6511796B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0202784 A2 19861126; EP 0202784 A3 19880323; EP 0202784 B1 19910925; DE 3681631 D1 19911031; JP H0431379 B2 19920526; JP S61245151 A 19861031

DOCDB simple family (application)

EP 86303072 A 19860423; DE 3681631 T 19860423; JP 8665985 A 19850423