

Title (en)

Silver halide color photographic material.

Title (de)

Farbphotographisches Silberhalogenidmaterial.

Title (fr)

Matériau photographique couleur à l'halogénure d'argent.

Publication

EP 0367227 A2 19900509 (EN)

Application

EP 89120198 A 19891031

Priority

JP 27667888 A 19881101

Abstract (en)

A silver halide color photographic material comprising on a reflective support at least three light-sensitive emulsion layers having different color sensitivities, wherein at least one of said light-sensitive emulsion layers comprises a silver halide emulsion spectrally sensitized with at least one compound represented by the formula (I), that at least one of said light-sensitive emulsion layers or light-insensitive layers comprises on said support at least one compound represented by the formula (II), (III) or (IV) and that the total amount of silver halide emulsion on said support is in the range of 0.65 g/m² or less as calculated in terms of coated amount of silver: <CHEM> wherein Z represents an oxygen atom or sulfur atom; R₁ and R₂ each represent a substituted or unsubstituted alkyl group; V₁, V₂, V₃, V₄, V₅, V₆, V₇, and V₈ each represents a hydrogen atom, a halogen atom, an alkyl group, an acyl group, an acyloxy group, an alkoxy group, an alkylthio group, an alkylsulfonyl group, a sulfonic acid group or an aryl group, with the proviso that two of V₁ to V₈ which are bonded to adjacent carbon atoms do not together form a condensed ring and that assuming Hammett's value sigma p of each of V₁ to V₈ is sigma pi (i=1 to 8) and Y= sigma p₁ + sigma p₂ + sigma p₃ + sigma p₄ + sigma p₅ + sigma p₆ + sigma p₇ + sigma p₈, then Y <= -0.08 if Z is an oxygen atom or Y <= -0.15 if Z is a sulfur atom; X^{min} represents a charge balance paired ion; and n represents a value required to neutralize the electric charge: <CHEM> wherein R represents an alkyl group, an alkenyl group or an aryl group; and X represents a hydrogen atom, an alkali metal atom, an ammonium group or a precursor: <CHEM> wherein L represents a divalent connecting group; R<4> represents a hydrogen atom, alkyl group, alkenyl group or aryl group; X is as defined for the formula (II); and m represents an integer 0 or 1: <CHEM> wherein R and X are as defined for the formula (II); L and m are as defined for the formula (III); R<3> has the same meaning as R, with the proviso that these groups may be the same or different; and m represents an integer 0 or 1.

IPC 1-7

G03C 1/26; **G03C 1/28**; **G03C 7/30**; **G03C 7/392**

IPC 8 full level

G03C 7/26 (2006.01); **G03C 1/035** (2006.01); **G03C 1/14** (2006.01); **G03C 1/20** (2006.01); **G03C 1/29** (2006.01); **G03C 1/34** (2006.01); **G03C 1/74** (2006.01); **G03C 7/30** (2006.01); **G03C 7/38** (2006.01); **G03C 7/384** (2006.01); **G03C 7/392** (2006.01)

CPC (source: EP)

G03C 7/3003 (2013.01); **G03C 7/3924** (2013.01)

Cited by

EP0542306A1; EP0615159A1; US5604088A; EP0631175A1; US5529896A; US5922525A; US5601970A; EP0766130A1; US5925509A; EP0766131A1; US5356770A; EP0600308A1; EP0563910A1; US5314796A; EP0766132A1; EP0605917A3; US5518876A; EP0371325B1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0367227 A2 19900509; **EP 0367227 A3 19910724**; JP 2597897 B2 19970409; JP H02123350 A 19900510

DOCDB simple family (application)

EP 89120198 A 19891031; JP 27667888 A 19881101