Title (en)

Photographic element containing yellow dye-forming coupler comprising a dye light stability enhancing ballast and process

Title (de)

Photographisches Element enthaltend einen einen gelben Farbstoff bildenden Kuppler enthaltend eine Ballastgruppe, die die Lichtstabilität des Farbstoffes erhöht und Verfahren

Title (fr)

Elément photographique contenant un coupleur formant un colorant jaune comprenant un groupe ballast augmentant la stabilité du colorant à la lumière et procédé

Publication

EP 0777151 B1 20000531 (EN)

Application

EP 96203192 A 19961115

Priority

- US 56551795 A 19951130
- US 68074396 A 19960715
- US 68019196 A 19960715

Abstract (en)

[origin: EP0777151A2] A photographic element comprises a light sensitive silver halide emulsion layer having associated therewith an open chain alpha -carbonyl acetanilide yellow dye-forming coupler having the formula: <CHEM> wherein R1 is selected from the group consisting of alkyl, aryl, heterocyclic, and amino groups, provided that R1 may form a ring bonded to another carbon atom which is a member of Ring "A"; each R2 is independently selected from the group consisting of those substituents having a Hammett's sigma value of 0 or less, and m is from 0 to 4; each R3 and R4 for each of the n carbon atoms is independently selected from the group consisting of hydrogen, alkoxy, aryl, heterocyclic, aryloxy, and alkyl groups, and n is 0 to 16; each R5 is independently selected from the group consisting of halogen, amino, alkyl groups, and groups linked to the "B" ring by oxygen or sulfur, and p is 1 to 3, provided that two R5 groups may join to form a ring; each L is independently a divalent linking group and q is 0 to 3; and Ring "A" is bonded indirectly to the 3-, 4-, or 5-position of Ring "B", R6 is selected from the group consisting of alkyl, aryl, and amino groups; and (1) when an R5 is halogen, Z is hydrogen or a coupling-off group selected from the group consisting of: (a) an aryloxy or arylthio group; (b) a heterocyclic group containing, in a five or six membered ring, one or two nitrogen atoms, wherein the group Z is bonded to the remainder of the coupler through a nitrogen atom in the ring; and (c) a benzotriazole group wherein the group Z is bonded to the remainder of the coupler through a nitrogen atom in the triazole group; and (2) when no R5 is halogen, Z is hydrogen, or a group capable of coupling-off when the coupler reacts with an oxidized color developing agent.

IPC 1-7

G03C 7/36

IPC 8 full level

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