

## 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)

Élément 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 A2 19970604 (EN)**

## Application

**EP 96203192 A 19961115**

## Priority

- US 56551795 A 19951130
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## Abstract (en)

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.

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**G03C 7/36**

## IPC 8 full level

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## CPC (source: EP)

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## Citation (applicant)

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