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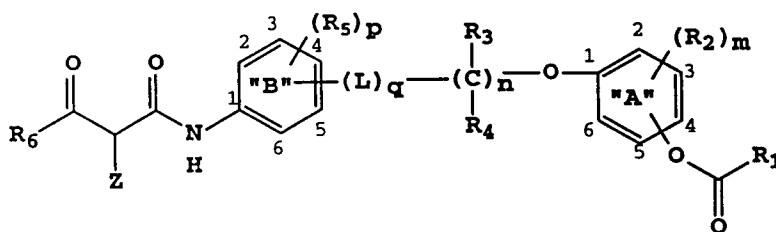
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(54) **Photographic element containing yellow dye-forming coupler comprising a dye light stability enhancing ballast and process**

(57) 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:



wherein

$R_1$  is selected from the group consisting of alkyl, aryl, heterocyclic, and amino groups, provided that  $R_1$  may form a ring bonded to another carbon atom which is a member of Ring "A";  
each  $R_2$  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  $R_3$  and  $R_4$  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  $R_5$  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  $R_5$  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",  
 $R_6$  is selected from the group consisting of alkyl, aryl, and amino groups; and

(1) when an  $R_5$  is halogen,  $Z$  is hydrogen or a coupling-off group selected from the group consisting of:

EP 0 777 151 A3

**EP 0 777 151 A3**

(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  $R_5$  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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# EUROPEAN SEARCH REPORT

Application Number  
EP 96 20 3192

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	PATENT ABSTRACTS OF JAPAN vol. 5, no. 84 (P-064), 2 June 1981 & JP 56 030126 A (KONISHIROKU PHOTO IND. CO. LTD.), 26 March 1981, * see specification, coupler Y-15 * -----	1-11	G03C7/36
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			G03C
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
MUNICH		17 April 1997	Okunowski, F
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