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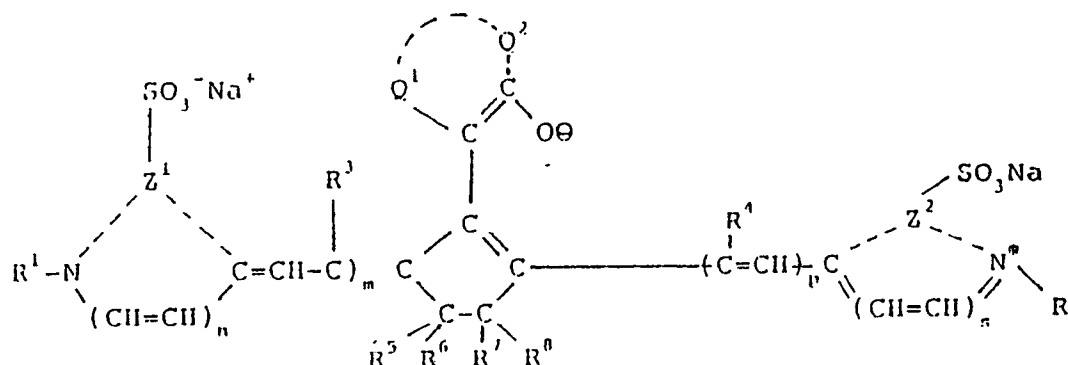
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(54) **Photographic elements incorporating antihalation and/or acutance dyes.**

(57) Bleachable dyes for use in photographic and photothermographic silver halide emulsions of the general formula:



in which:

$m + p = 2$,

n is 0 or 1,

s is 0 or 1,

Z^1 and Z^2 independently represent the non-metallic atoms necessary to complete a heterocyclic nucleus of the type present in cyanine dyes and in addition contain a water solubilizing group such as sulphonate,

carboxylate, etc.,

R¹ and R² independently represent alkyl or substituted alkyl, alkenyl, substituted alkenyl or aralkyl, each group containing not more than 20 carbon atoms.

R³ and R⁴ independently represent a hydrogen atom or an alkyl, substituted alkyl, alkenyl or substituted alkenyl each of which groups contain not more than 10 carbon atoms.

R⁵, R⁶, R⁷ and R⁸, which together may not contain more than 12 carbon atoms, independently represent a hydrogen atom, an alkyl, substituted alkyl, alkenyl, substituted alkenyl, aryl or alkaryl group, or

one of R⁵ and R⁶ together with one of R⁷ and R⁸ represent the necessary atoms to complete a carbocyclic ring in which case the others of R⁵ to R⁸ are absent,

Q¹ and Q² together represent the non-metallic atoms necessary to complete an acidic nucleus of the type present in oxonol or merocyanine dyes.



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.4)
D,Y	US-A-4 581 325 (J.P. KITCHIN et al.) * Whole document *	1-10	G 03 C 1/84
D,Y	US-A-3 148 187 (D.W. HESELTINE) * Column 1, lines 34-41 *	1-10	
A	US-A-3 585 195 (D.W. HESELTINE et al.) * Column 2, lines 26-45 *	1-10	
A	EP-A-0 251 282 (EASTMAN KODAK CO.) * Claims 1,4 *	1-10	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			G 03 C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 02-05-1990	Examiner BOLGER W.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			