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(54) **Photographic developing solution for use with fore-hardened X-ray films.**

(57) An aqueous alkaline photographic developing solution that is especially adapted for use in the development of fore-hardened X-ray films has a pH in the range of 9 to 12, is substantially free of both aldehydic hardening agents and silver halide solvents, and comprises (1) a dihydroxybenzene developing agent, such as hydroquinone, (2) at least 3.5 grams per liter of developing solution of a 4,4-disubstituted-1-aryl-3-pyrazolidinone, which functions as an auxiliary super-additive developing agent, such as 4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidinone, (3) an alkaline agent, (4) an organic antifoggant, and (5) a preservative. The developing solution is capable of being packaged as a single part formulation and provides a very short process time and excellent sensitometric results.

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EUROPEAN SEARCH REPORT

EP 90 42 0470

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.5)
X	EP-A-0 321 948 (FUJI PHOTO FILM CO.LTD.) * page 34, lines 1 - 28 ** page 19, line 42 - page 20, line 17 * * Example,3 * - - -	1-8	G 03 C 5/30
X,Y	GB-A-1 157 617 (KODAK LIMITED) * Example,4 ** claim 11 * - - -	1-7,8	
Y,D	US-A-4 414 304 (EASTMAN KODAK CO.) * abstract ** column 25, line 25 - column 26, line 8 * - - -	1-8	
Y	PATENT ABSTRACTS OF JAPAN vol. 12, no. 368 (P-766)(3215) 04 October 1988, & JP-A-63 118744 (FUJI PHOTO FILM CO.LTD.) 23 May 1988, * the whole document * - - -	1-8	
A	GRANT HAIST: "MODERN PHOTOGRAPHIC PROCESS- ING VOLUME 1" 1979, JOHN WILEY, NEW YORK,US * page 528, paragraph 5 * - - -	1-7	
A	US-A-2 772 282 (C.F.H.ALLEN ET AL) * column 8, lines 45 - 56 * - - - - -	1-7	TECHNICAL FIELDS SEARCHED (Int. Cl.5) G 03 C
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of search 07 May 91	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			