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54 **Process for preparing a photographic emulsion containing tabular grains exhibiting high speed.**

57 Process for preparing a photographic emulsion containing tabular silver halide grains, which exhibit high speed upon sensitization, having a thickness of about 0.05 to 0.5 μm , average grain volume of about 0.05 to 1.0 μm^3 and mean aspect ratio of greater than 2:1 comprising

A. adding silver nitrate to a vessel containing dispersing medium/bromide mixture, initial bromide ion concentration 0.08 to 0.25 N, to form tabular seed grains;

B. adding an ammoniacal base solution, to achieve 0.002 to 0.2 normal of the base (e.g., after at least 2% of total silver nitrate has been added); and

C. adding additional silver nitrate and halide, i.e., Br^- or BrI^- , by balanced double jet procedure.

The emulsions are used in photographic elements for x-ray, graphic arts, etc.

EP 0 263 508 A3



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)
Y	DE-C- 156 345 (J. GAEDICKE) * Claim; page 2, lines 99-108 * ---	1-11	G 03 C 1/02
Y	DE-A-3 241 640 (KODAK) * Page 33, lines 29-33 * ---	1-18	
Y	RESEARCH DISCLOSURE, no. 232, August 1983, pages 261-264, disclosure no. 23212, Havant, Hampshire, GB; "Tabular grain silver bromide emulsions, photographic elements incorporating these emulsions, and processes for their preparation and use" * Page 263, left-hand column, lines 7-13 * ---	1-18	
Y	RESEARCH DISCLOSURE, no. 225, January 1983, pages 20-58, disclosure no. 22534, Havant Hampshire, GB; "Sensitized high aspect ratio silver halide emulsions and photographic elements" * Page 24, left-hand column, lines 1-18 * -----	1-18	
			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 26-04-1988	Examiner BUSCHA A.J.
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			