

Title (en)

PROCESS FOR PREPARING A PHOTOGRAPHIC EMULSION CONTAINING TABULAR GRAINS EXHIBITING HIGH SPEED

Publication

EP 0263508 A3 19880803 (EN)

Application

EP 87114626 A 19871007

Priority

US 91750586 A 19861010

Abstract (en)

[origin: EP0263508A2] 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 \leftrightarrow or BrI \leftrightarrow , by balanced double jet procedure. The emulsions are used in photographic elements for x-ray, graphic arts, etc. a

IPC 1-7

G03C 1/02

IPC 8 full level

C01G 5/02 (2006.01); **G03C 1/005** (2006.01); **G03C 1/015** (2006.01); **G03C 1/035** (2006.01)

CPC (source: EP)

G03C 1/0051 (2013.01)

Citation (search report)

- [Y] DE 156345 C
- [Y] DE 3241640 A1 19830519 - EASTMAN KODAK CO [US]
- [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"
- [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"

Cited by

EP0391560A1; EP0610597A1; US5984543A; EP0547568A1; US5374513A; EP0566076A3; EP0749038A1; EP0843209A1

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